

## EAST Search History

| Ref # | Hits | Search Query     | DBs                | Default Operator | Plurals | Time Stamp       |
|-------|------|------------------|--------------------|------------------|---------|------------------|
| L1    | 815  | (564/153).CCLS.  | US-PGPUB;<br>USPAT | OR               | OFF     | 2007/01/18 13:48 |
| L2    | 200  | (430/55).CCLS.   | US-PGPUB;<br>USPAT | OR               | OFF     | 2007/01/18 13:51 |
| L3    | 153  | (430/58.7).CCLS. | US-PGPUB;<br>USPAT | OR               | OFF     | 2007/01/18 13:51 |

101538,484

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 11:42:48 ON 18 JAN 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 11:43:04 ON 18 JAN 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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STRUCTURE FILE UPDATES: 17 JAN 2007 HIGHEST RN 917745-84-7

DICTIONARY FILE UPDATES: 17 JAN 2007 HIGHEST RN 917745-84-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

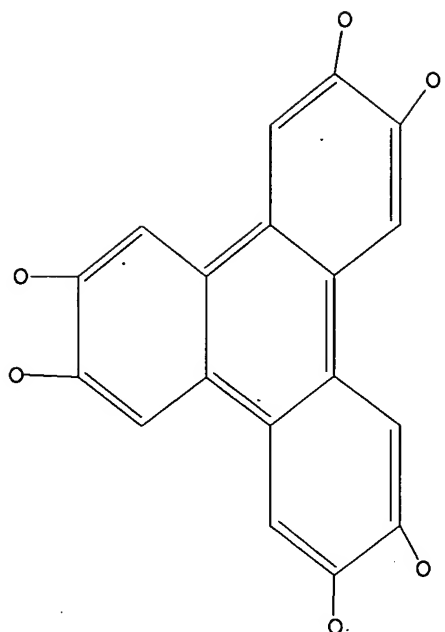
Uploading C:\Program Files\Stnexp\Queries\10538484.str

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 11:43:21 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 523 TO ITERATE

100.0% PROCESSED 523 ITERATIONS

50 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 9088 TO 11832

PROJECTED ANSWERS: 1265 TO 2415

L2 50 SEA SSS SAM L1

=> d

L2 ANSWER 1 OF 50 REGISTRY COPYRIGHT 2007 ACS on STN

RN 917394-94-6 REGISTRY

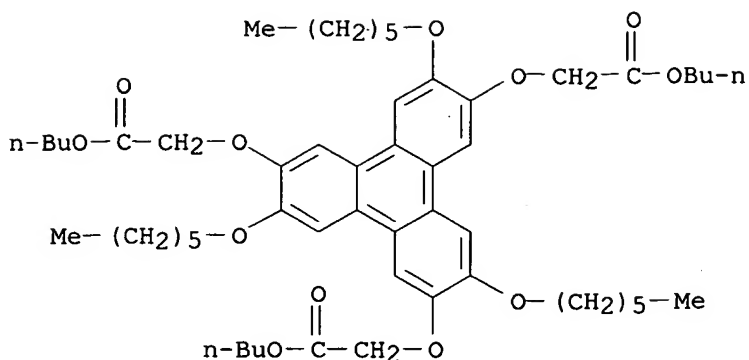
ED Entered STN: 12 Jan 2007

CN INDEX NAME NOT YET ASSIGNED

MF C54 H78 O12

SR CA

LC STN Files: CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

2.40

2.61

FILE 'CAPLUS' ENTERED AT 11:43:39 ON 18 JAN 2007

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FILE COVERS 1907 - 18 Jan 2007 VOL 146 ISS 4

FILE LAST UPDATED: 17 Jan 2007 (20070117/ED)

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<http://www.cas.org/infopolicy.html>

=> s 12

L3

46 L2

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.47

3.08

FILE 'REGISTRY' ENTERED AT 11:44:15 ON 18 JAN 2007

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DICTIONARY FILE UPDATES: 17 JAN 2007 HIGHEST RN 917745-84-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

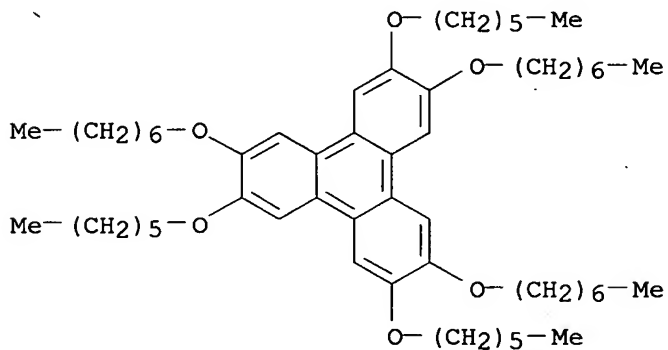
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> d 12 10 20 30 40 50

L2 ANSWER 10 OF 50 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 865619-55-2 REGISTRY  
ED Entered STN: 19 Oct 2005  
CN Triphenylene, 2,6,11-tris(heptyloxy)-3,7,10-tris(hexyloxy)- (9CI) (CA INDEX NAME)  
MF C57 H90 O6  
SR CA  
LC STN Files: CA, CAPLUS



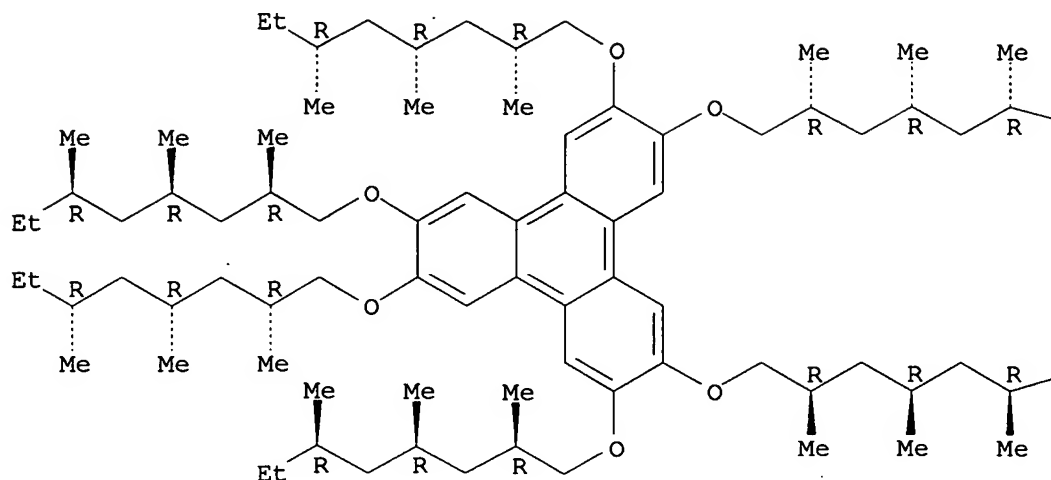
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 20 OF 50 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 501447-88-7 REGISTRY  
ED Entered STN: 03 Apr 2003  
CN Triphenylene, 2,3,6,7,10,11-hexakis[[ (2R,4R,6R) -2,4,6-trimethyloctyl]oxy]- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C84 H144 O6  
SR CA  
LC STN Files: CA, CAPLUS

Absolute stereochemistry. Rotation (-).

PAGE 1-A



PAGE 1-B

Et

Et

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 30 OF 50 REGISTRY COPYRIGHT 2007 ACS on STN

RN 347854-10-8 REGISTRY

ED Entered STN: 24 Jul 2001

CN Dipyrzino[2,3-f:2',3'-h]quinoxaline, hexakis(4-nonylphenyl)-, compd. with  
2,3,6,7,10-pentakis(hexyloxy)-11-[2-(2-methoxyethoxy)ethoxy]triphenylene  
(1:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Triphenylene, 2,3,6,7,10-pentakis(hexyloxy)-11-[2-(2-methoxyethoxy)ethoxy]-  
, compd. with hexakis(4-nonylphenyl)dipyrzino[2,3-f:2',3'-h]quinoxaline  
(1:1) (9CI)

MF C102 H138 N6 . C53 H82 O8

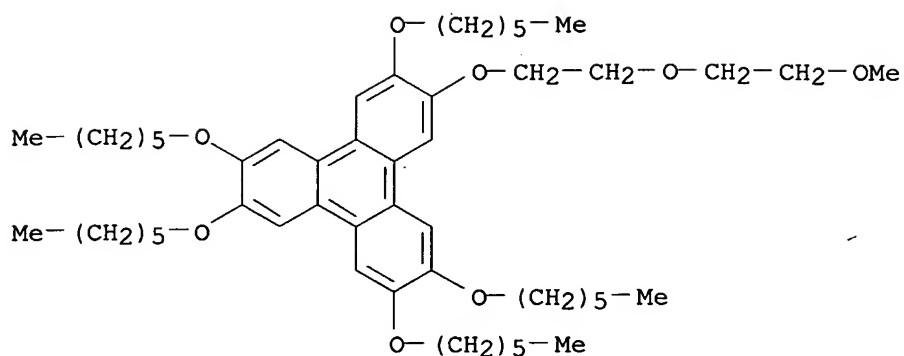
SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 343628-06-8

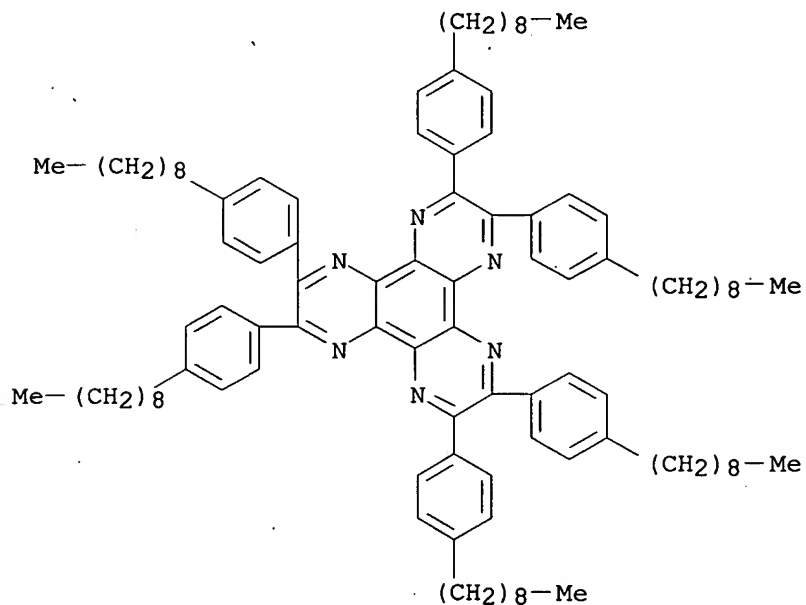
CMF C53 H82 O8



CM 2

CRN 96355-65-6

CMF C102 H138 N6



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 40 OF 50 REGISTRY COPYRIGHT 2007 ACS on STN

RN 263329-27-7 REGISTRY

ED Entered STN: 28 Apr 2000

CN 2-Propenoic acid, 3-[4-[[3-methyl-6-[(1-oxo-2-propenyl)oxy]hexyl]oxy]phenyl]-, 2,3,6,7,10,11-triphenylenehexyl ester, (2E,2'E,2''E,2'''E,2''''E,2'''''E)- (9CI) (CA INDEX NAME)

FS STEREOSEARCH

MF C132 H144 O30

CI COM

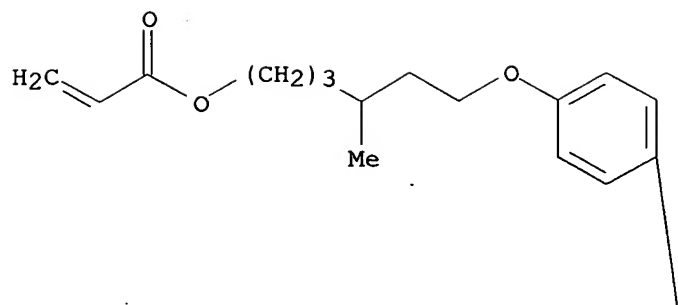
SR CA

Double bond geometry as shown.

PAGE 1-B

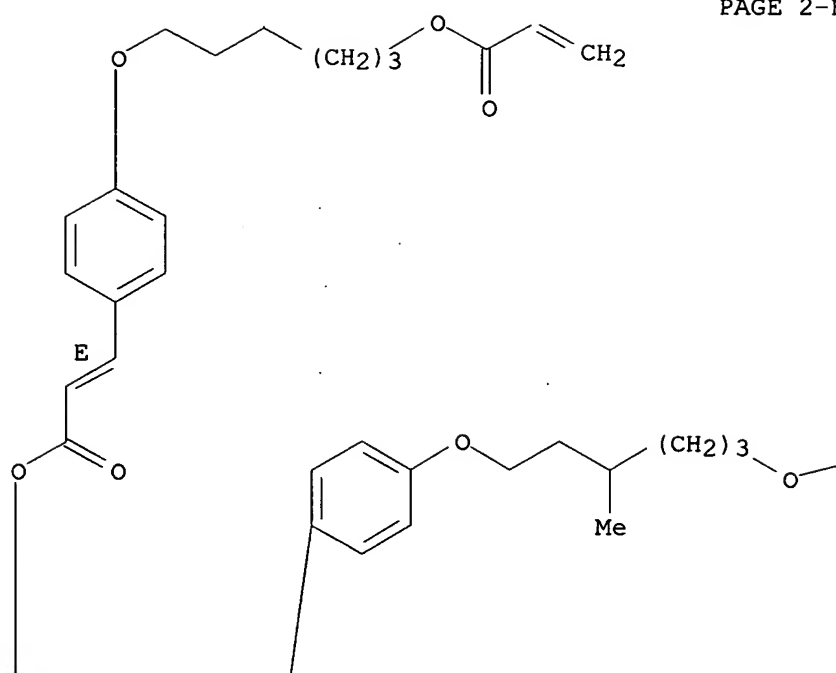
Me  
|

PAGE 2-A

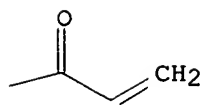




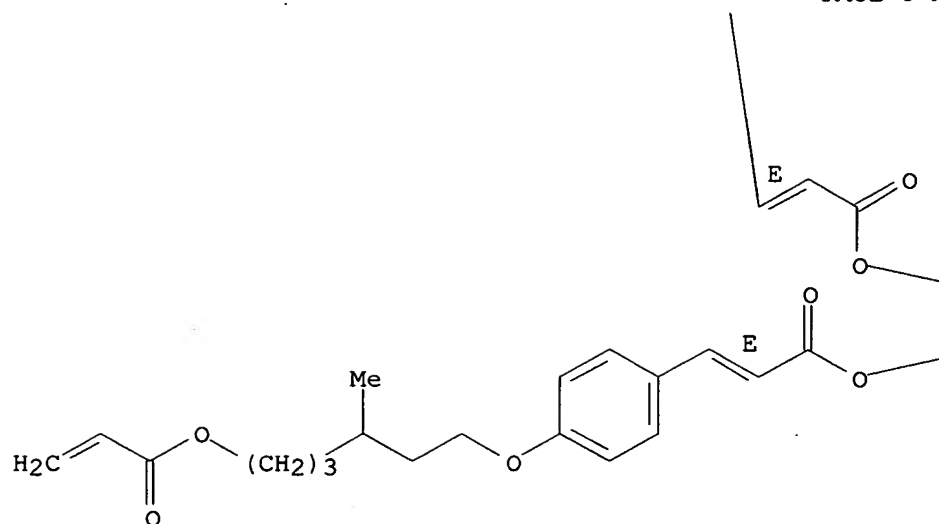
PAGE 2-B



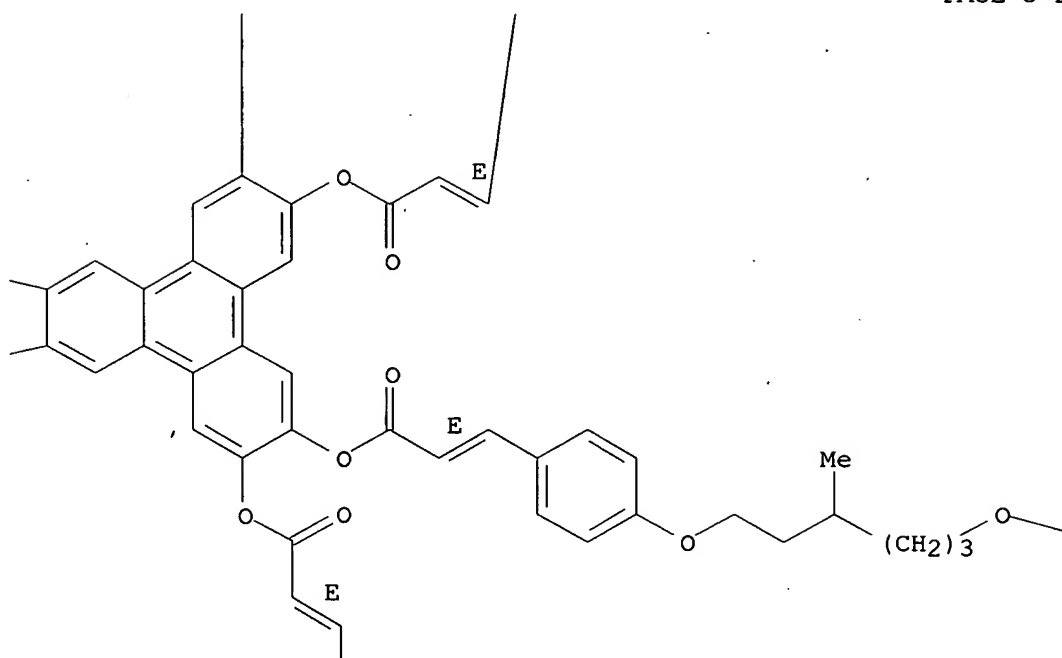
PAGE 2-C

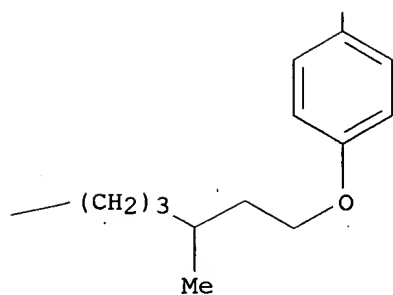
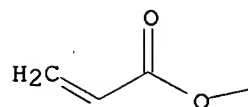
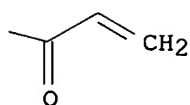


PAGE 3-A



PAGE 3-B



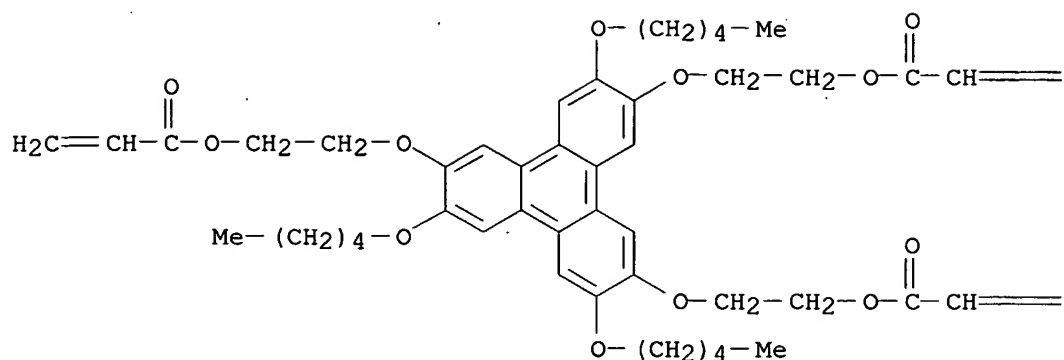


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L2 ANSWER 50 OF 50 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 225531-90-8 REGISTRY  
 ED Entered STN: 18 Jun 1999  
 CN 2-Propenoic acid, [3,7,10-tris(pentyloxy)-2,6,11-triphenylenetriyl]tris(oxy-2,1-ethanediyl) ester (9CI) (CA INDEX NAME)  
 MF C48 H60 O12

CI COM  
 SR CA  
 LC STN Files: CA, CAPLUS

PAGE 1-A



PAGE 1-B

$=\text{CH}_2$

$=\text{CH}_2$

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

Uploading C:\Program Files\Stnexp\Queries\0538484.str

L4 STRUCTURE UPLOADED

=> d

L4 HAS NO ANSWERS

L4 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s 14

SAMPLE SEARCH INITIATED 11:48:58 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS  
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 8 TO 329  
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> s 14 ful

FULL SEARCH INITIATED 11:49:04 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 167 TO ITERATE

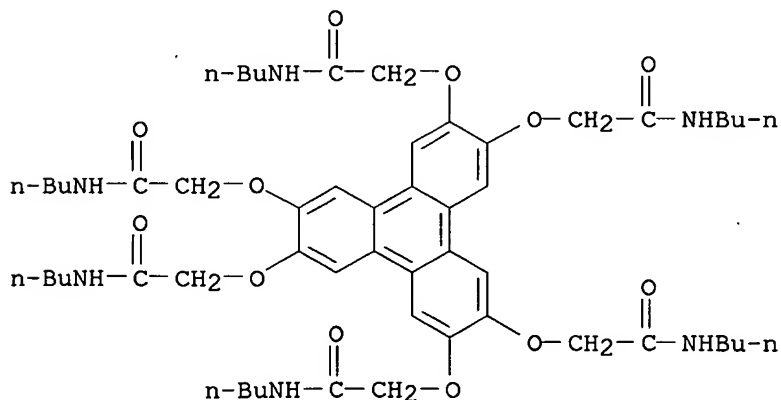
100.0% PROCESSED 167 ITERATIONS  
SEARCH TIME: 00.00.01

5 ANSWERS

L6 5 SEA SSS FUL L4

=> d 16 1-5

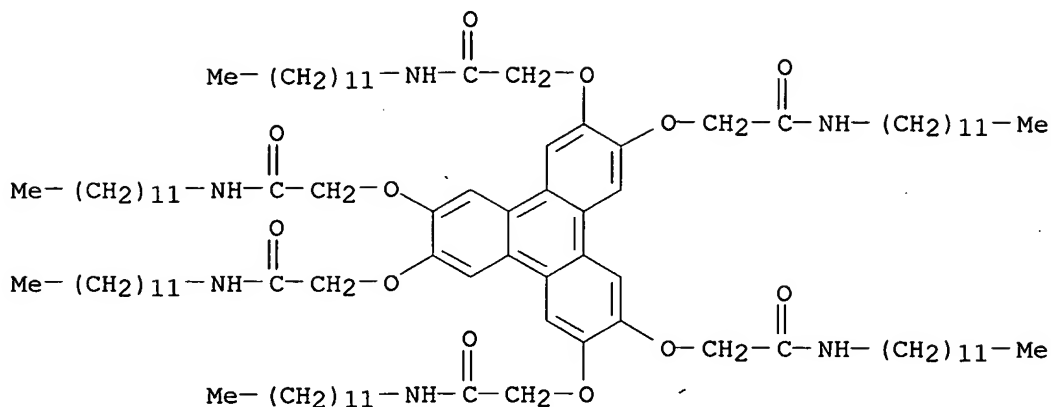
L6 ANSWER 1 OF 5 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 614733-38-9 REGISTRY  
ED Entered STN: 10 Nov 2003  
CN Acetamide, 2,2',2'',2''',2''''',2''''''-[2,3,6,7,10,11-  
triphenylenehexaylhexakis(oxy)]hexakis[N-butyl- (9CI) (CA INDEX NAME)  
MF C54 H78 N6 O12  
SR CA  
LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 2 OF 5 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 614733-37-8 REGISTRY  
ED Entered STN: 10 Nov 2003  
CN Acetamide, 2,2',2'',2''',2''''',2''''''-[2,3,6,7,10,11-  
triphenylenehexaylhexakis(oxy)]hexakis[N-dodecyl- (9CI) (CA INDEX NAME)  
MF C102 H174 N6 O12  
SR CA  
LC STN Files: CA, CAPLUS, USPATFULL

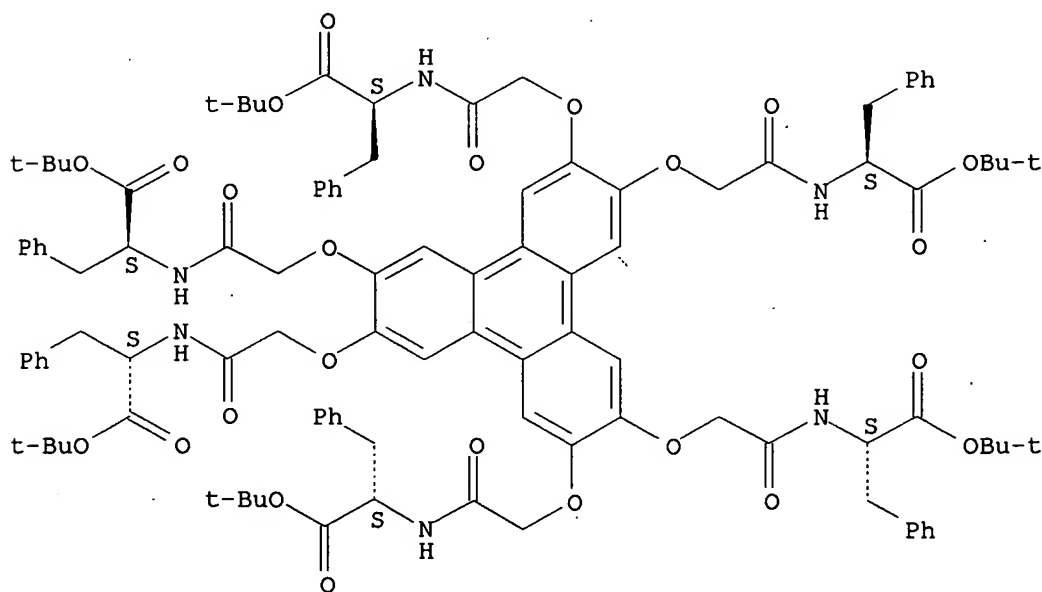


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 3 OF 5 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 200814-89-7 REGISTRY  
ED Entered STN: 05 Feb 1998  
CN L-Phenylalanine, N,N',N'',N''',N''',N''''-[2,3,6,7,10,11-triphenylenehexaylhexas[oxyl(1-oxo-2,1-ethanediyl)]]hexakis-, hexakis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C108 H126 N6 O24  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT

Absolute stereochemistry.

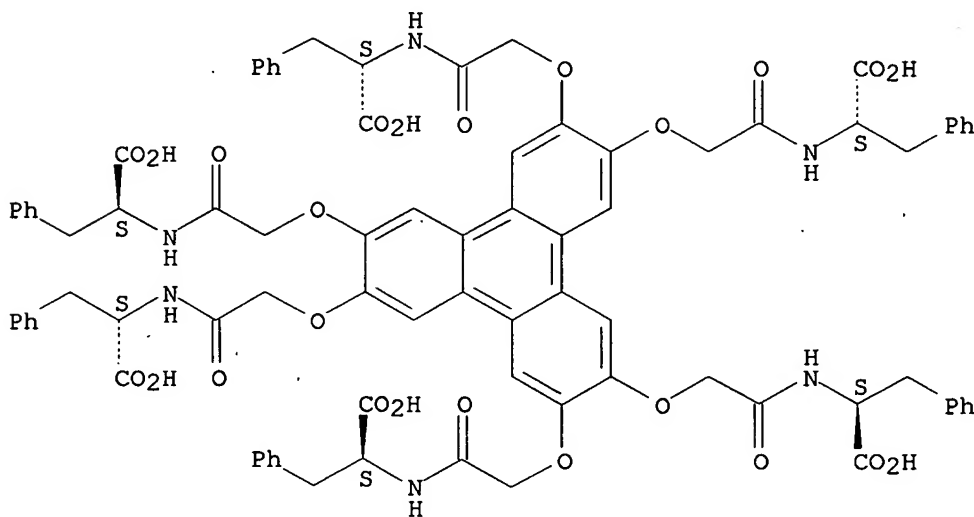


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

```
L6 ANSWER 4 OF 5  REGISTRY  COPYRIGHT 2007 ACS on STN
RN 200814-88-6  REGISTRY
ED Entered STN: 05 Feb 1998
CN L-Phenylalanine, N,N',N'',N''',N''''',N''''''-[2,3,6,7,10,11-
triphenylenehexaylhexakis[oxy(1-oxo-2,1-ethanediyl)]]hexakis- (9CI)  (CA
INDEX NAME)
FS STEREOSEARCH
MF C84 H78 N6 O24
SR CA
LC STN Files:  CA, CAPLUS, CASREACT
```

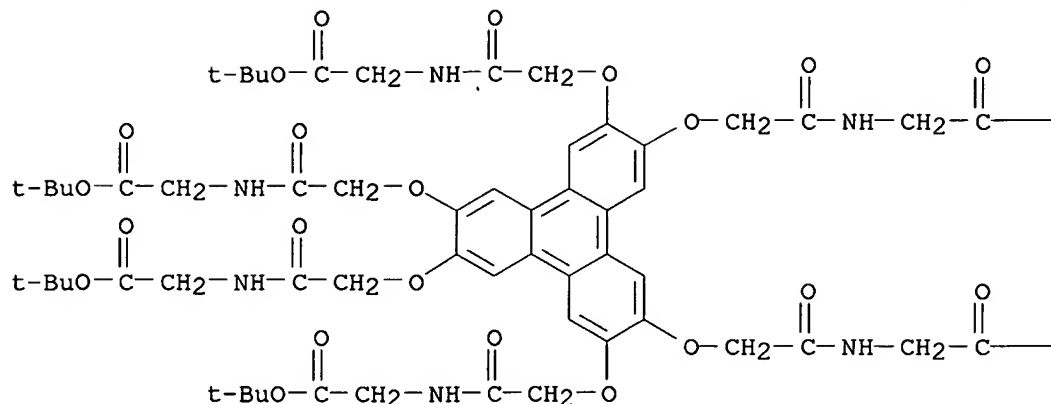
Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

```
L6 ANSWER 5 OF 5  REGISTRY  COPYRIGHT 2007 ACS on STN
RN 200814-87-5  REGISTRY
ED Entered STN.: 05 Feb 1998
CN Glycine, N,N',N'',N''',N''''',N''''''-[2,3,6,7,10,11-
triphenylenehexaylhexakis[oxy(1-oxo-2,1-ethanediyl)]]hexakis-,
hexakis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)
MF C66 H90 N6 O24
SR CA
LC STN Files:  CA, CAPLUS, CASREACT
```



—OBu-t

—OBu-t

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=&gt; file caplus

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 195.20     | 198.28  |

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 11:49:21 ON 18 JAN 2007

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FILE COVERS 1907 - 18 Jan 2007 VOL 146 ISS 4  
FILE LAST UPDATED: 17 Jan 2007 (20070117/ED)

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<http://www.cas.org/infopolicy.html>

=> s 16

L7 3 L6

=> d 17 1-3

L7 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2004:565189 CAPLUS  
DN 141:106275  
TI Preparation of fused aromatic compounds having charge transport properties  
IN Takeuchi, Masayuki; Ikeda, Masato; Shinkai, Seiji  
PA Kyushu Tlo Company, Limited, Japan  
SO PCT Int. Appl., 29 pp.  
CODEN: PIXXD2  
DT Patent  
LA Japanese  
FAN.CNT 1

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---|------|----------|-----------------|----------|
| PI   | WO 2004058684   | A1   | 20040715 | WO 2003-JP15826 | 20031211 |
|      | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |      |          |                 |          |
|      | RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |
|      | AU 2003289315   | A1   | 20040722 | AU 2003-289315  | 20031211 |
|      | US 2006111587   | A1   | 20060525 | US 2005-538484  | 20050608 |
| PRAI | JP 2002-360369  | A    | 20021212 |                 |          |
|      | WO 2003-JP15826   | W    | 20031211 |                 |          |
| OS   | MARPAT 141:106275   |      |          |                 |          |

L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2003:415872 CAPLUS  
DN 139:329698  
TI Unusual emission properties of a triphenylene-based organogel system  
AU Ikeda, Masato; Takeuchi, Masayuki; Shinkai, Seiji  
CS Department of Chemistry and Biochemistry, Graduate School of Engineering, Kyushu University, Fukuoka, 812-8581, Japan  
SO Chemical Communications (Cambridge, United Kingdom) (2003), (12), 1354-1355  
CODEN: CHCOFS; ISSN: 1359-7345  
PB Royal Society of Chemistry  
DT Journal  
LA English  
RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 1997:754865 CAPLUS  
DN 128:88655  
TI Purification of 2,3,6,7,10,11-hexamethoxytriphenylene and preparation of  
hexakiscarbonylmethyl and hexakiscyanomethyl derivatives of  
2,3,6,7,10,11-hexahydroxytriphenylene  
AU Krebs, Frederik C.; Schioedt, Niels C.; Batsberg, Walther; Bechgaard,  
Klaus  
CS Macromolecular Chemistry Group, Risoe National Laboratory, Condensed  
Matter Physics Chemistry Department, Roskilde, DK-4000, Den.  
SO Synthesis (1997), (11), 1285-1290  
CODEN: SYNTBF; ISSN: 0039-7881  
PB Georg Thieme Verlag  
DT Journal  
LA English  
OS CASREACT 128:88655

=> file reg

COST IN U.S. DOLLARS

| SINCE FILE | TOTAL   |
|------------|---------|
| ENTRY      | SESSION |
| 5.89       | 204.17  |

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 11:52:24 ON 18 JAN 2007  
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STRUCTURE FILE UPDATES: 17 JAN 2007 HIGHEST RN 917745-84-7  
DICTIONARY FILE UPDATES: 17 JAN 2007 HIGHEST RN 917745-84-7

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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conducting SmartSELECT searches.

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predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\538484.str

L8 STRUCTURE UPLOADED

=> d

L8 HAS NO ANSWERS

L8 STR

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

Structure attributes must be viewed using STN Express query preparation.

=> s 18

SAMPLE SEARCH INITIATED 11:52:47 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED 3 ITERATIONS  
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 3 TO 163  
PROJECTED ANSWERS: 0 TO 0

L9 0 SEA SSS SAM L8

=> s 18 ful

FULL SEARCH INITIATED 11:52:52 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 95 TO ITERATE

100.0% PROCESSED 95 ITERATIONS  
SEARCH TIME: 00.00.01

0 ANSWERS

L10 0 SEA SSS FUL L8

=>

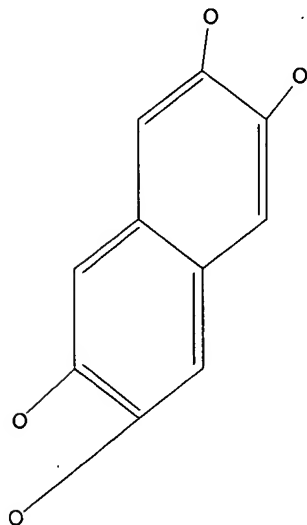
Uploading C:\Program Files\Stnexp\Queries\38484.str

L11 STRUCTURE UPLOADED

=> d

L11 HAS NO ANSWERS

L11 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 111

SAMPLE SEARCH INITIATED 11:54:12 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 3541 TO ITERATE

56.5% PROCESSED 2000 ITERATIONS

2 ANSWERS

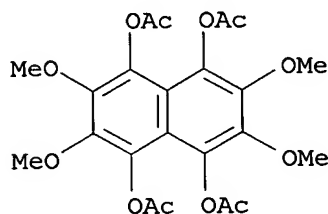
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 67252 TO 74388  
PROJECTED ANSWERS: 2 TO 182

L12 2 SEA SSS SAM L11

=> d 112 1-2

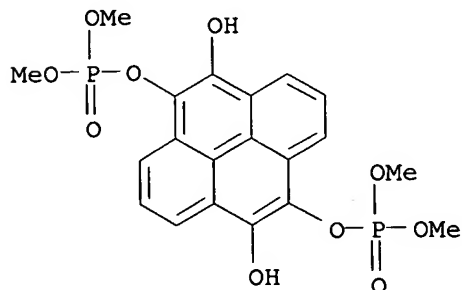
L12 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 102663-06-9 REGISTRY  
ED Entered STN: 14 Jun 1986  
CN 1,4,5,8-Naphthalenetetrol, tetramethoxy-, tetraacetate (6CI) (CA INDEX  
NAME)  
MF C22 H24 O12  
SR CAOLD  
LC STN Files: CA, CAOLD, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L12 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 15052-45-6 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Phosphoric acid, 5,10-dihydroxy-4,9-pyrenylene tetramethyl ester (8CI)  
(CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 4,5,9,10-Pyrenetetrol, 4,9-bis(dimethyl phosphate)  
MF C20 H20 O10 P2  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s l11 ful  
FULL SEARCH INITIATED 11:54:37 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 70890 TO ITERATE

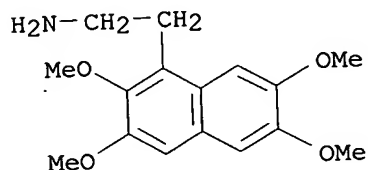
38 ANSWERS

100.0% PROCESSED 70890 ITERATIONS  
SEARCH TIME: 00.00.01

L13 38 SEA SSS FUL L11

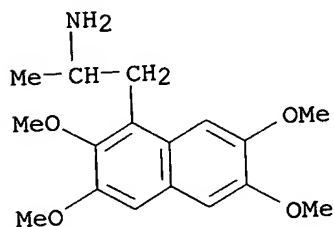
=> d l13 1-38

L13 ANSWER 1 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 910385-90-9 REGISTRY  
ED Entered STN: 15 Oct 2006  
CN 1-Naphthaleneethanamine, 2,3,6,7-tetramethoxy- (9CI) (CA INDEX NAME)  
MF C16 H21 N O4  
SR Chemical Catalog  
Supplier: Rare Chemicals GmbH  
LC STN Files: CHEMCATS



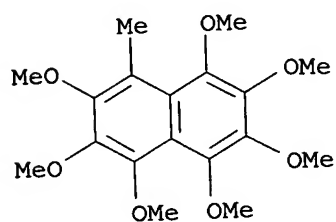
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L13 ANSWER 2 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 910383-49-2 REGISTRY  
ED Entered STN: 15 Oct 2006  
CN 1-Naphthaleneethanamine, 2,3,6,7-tetramethoxy- $\alpha$ -methyl- (9CI) (CA INDEX NAME)  
MF C17 H23 N O4  
SR Chemical Catalog  
Supplier: Rare Chemicals GmbH  
LC STN Files: CHEMCATS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

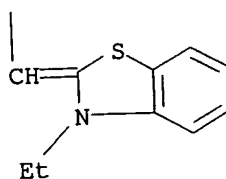
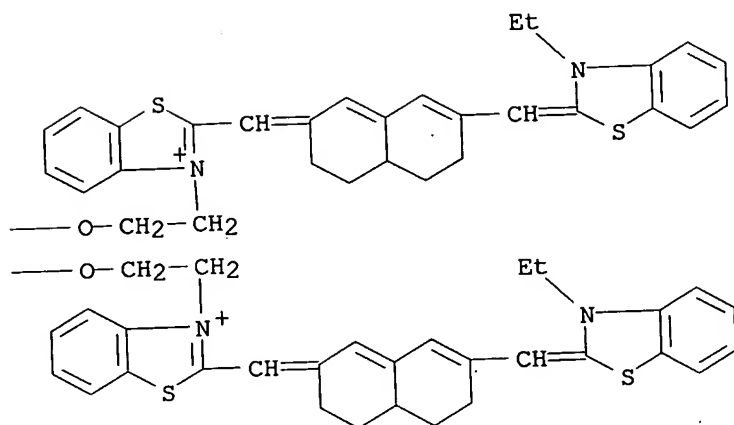
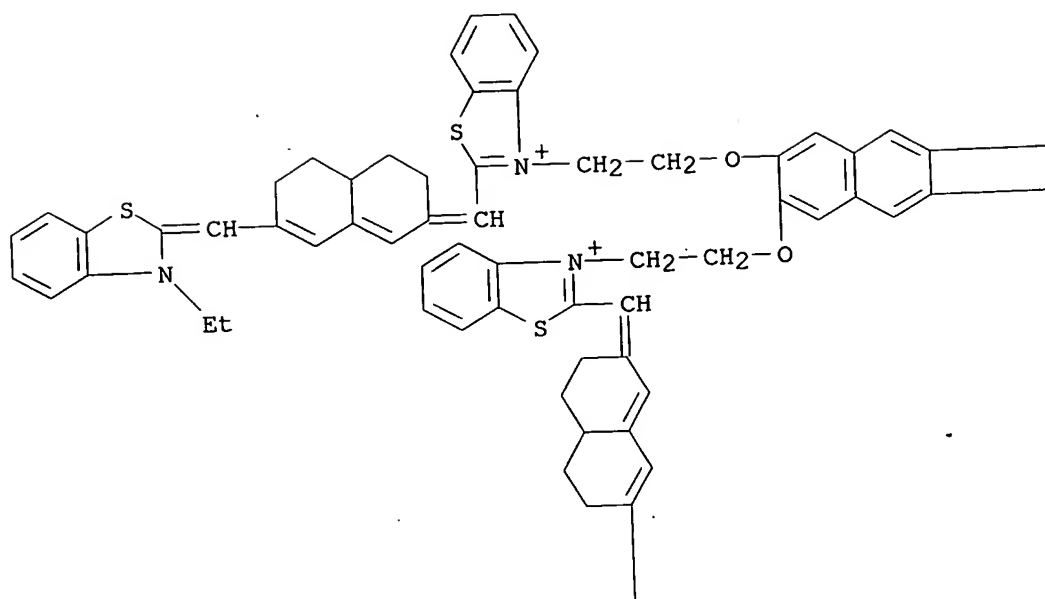
L13 ANSWER 3 OF 38 . REGISTRY COPYRIGHT 2007 ACS on STN  
RN 862429-68-3 REGISTRY  
ED Entered STN: 02 Sep 2005  
CN Naphthalene, 1,2,3,4,5,6,7-heptamethoxy-8-methyl- (9CI) (CA INDEX NAME)  
MF C18 H24 O7  
SR CA  
LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 4 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 731761-25-4 REGISTRY  
ED Entered STN: 23 Aug 2004  
CN Benzothiazolium, 3,3',3'',3'''-[2,3,6,7-naphthalenetetrayltetrakis(oxy-2,1-ethanediyl)]tetrakis[2-[[7-[(3-ethyl-2(3H)-benzothiazolylidene)methyl]-4,4a,5,6-tetrahydro-2(3H)-naphthalenylylidene]methyl]- (9CI) (CA INDEX NAME)  
MF C130 H124 N8 O4 S8  
CI COM  
SR CA



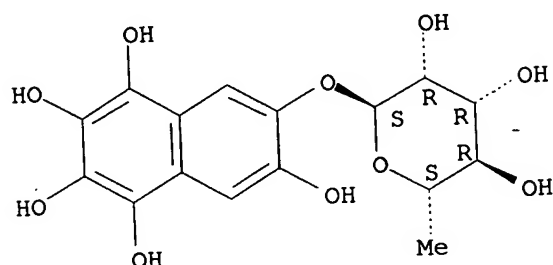
L13 ANSWER 5 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 708278-08-4 REGISTRY  
 ED Entered STN: 12 Jul 2004  
 CN  $\alpha$ -L-Mannopyranoside, 3,5,6,7,8-pentahydroxy-2-naphthalenyl 6-deoxy-

(9CI) (CA INDEX NAME)

OTHER NAMES:

CN Arjunaphthanoloside  
FS STEREOSEARCH  
MF C16 H18 O10  
SR CA  
LC STN Files: CA, CAPLUS

Absolute stereochemistry. Rotation (-).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 6 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN

RN 288313-88-2 REGISTRY

ED Entered STN: 07 Sep 2000

CN Naphthalene, octamethoxy- (9CI) (CA INDEX NAME)

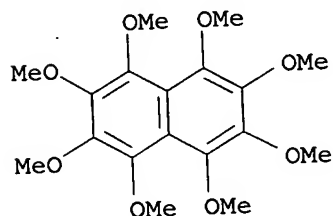
OTHER NAMES:

CN Octamethoxynaphthalene

MF C18 H24 O8

SR CA

LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 7 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN

RN 263863-28-1 REGISTRY

ED Entered STN: 05 May 2000

CN 1H-Phenalene-1,3(2H)-dione, 2-(1,1-dimethyl-2-oxopropyl)-2,4,5,7,9-pentahydroxy-8-methoxy-6-methyl-, (2S)- (9CI) (CA INDEX NAME)

OTHER NAMES:

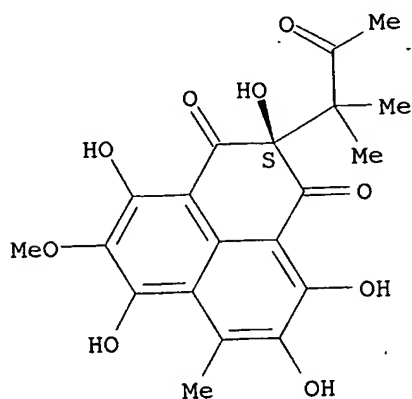
CN Sculezonone B

FS STEREOSEARCH



MF C20 H20 O9  
 SR CA  
 LC STN Files: BIOSIS, CA, CAPLUS, TOXCENTER

Absolute stereochemistry. Rotation (+).



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

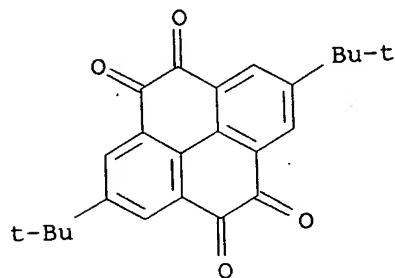
L13 ANSWER 8 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 190843-94-8 REGISTRY  
 ED Entered STN: 04 Jul 1997  
 CN 4,5,9,10-Pyrenetetrone, 2,7-bis(1,1-dimethylethyl)-, compd. with  
 2,7-bis(1,1-dimethylethyl)-4,5,9,10-pyrenetetrol (1:1) (9CI) (CA INDEX  
 NAME)

OTHER CA INDEX NAMES:  
 CN 4,5,9,10-Pyrenetetrol; 2,7-bis(1,1-dimethylethyl)-, compd. with  
 2,7-bis(1,1-dimethylethyl)-4,5,9,10-pyrenetetrone (1:1) (9CI)

MF C24 H26 O4 . C24 H22 O4  
 SR CA  
 LC STN Files: CA, CAPLUS

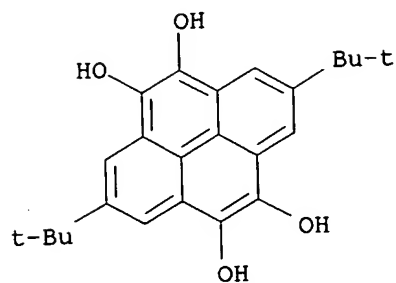
CM 1

CRN 190843-93-7  
 CMF C24 H22 O4



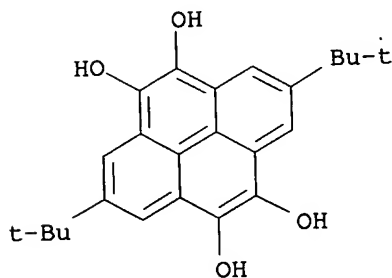
CM 2

CRN 190843-92-6  
CMF C24 H26 O4



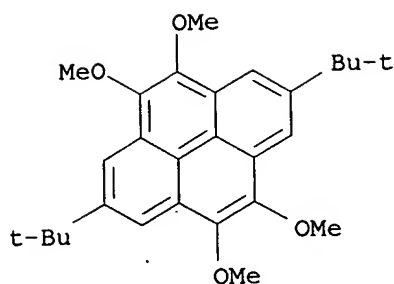
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 9 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 190843-92-6 REGISTRY  
ED Entered STN: 04 Jul 1997  
CN 4,5,9,10-Pyrenetetrol, 2,7-bis(1,1-dimethylethyl)- (9CI) (CA INDEX NAME)  
MF C24 H26 O4  
CI COM  
SR CA



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L13 ANSWER 10 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 190843-91-5 REGISTRY  
ED Entered STN: 04 Jul 1997  
CN Pyrene, 2,7-bis(1,1-dimethylethyl)-4,5,9,10-tetramethoxy- (9CI) (CA INDEX NAME)  
MF C28 H34 O4  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 11 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN

RN 151407-20-4 REGISTRY

ED Entered STN: 24 Nov 1993

CN Benzothiazolium, 3,3',3'',3'''-[2,3,6,7-naphthalenetetrayltetrakis(oxy-2,1-ethanediyl)]tetrakis[2-[[7-[(3-ethyl-2(3H)-benzothiazolylidene)methyl]-4,4a,5,6-tetrahydro-2(3H)-naphthalenylidene]methyl]-, tetrachloride (9CI)  
(CA INDEX NAME)

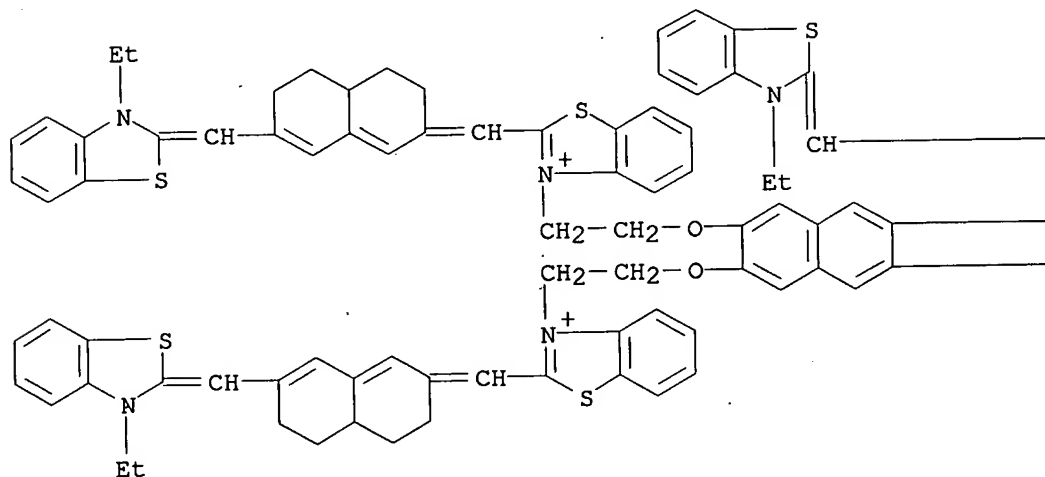
MF C130 H124 N8 O4 S8 . 4 Cl

SR CA

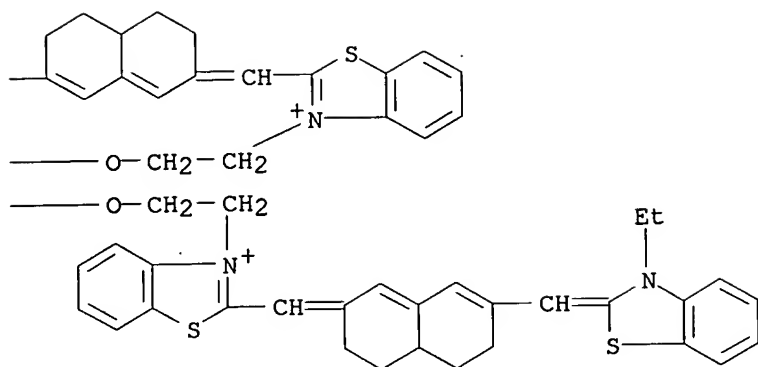
LC STN Files: CA, CAPLUS

CRN (731761-25-4)

PAGE 1-A

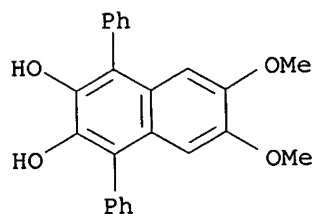


● 4 Cl<sup>-</sup>



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

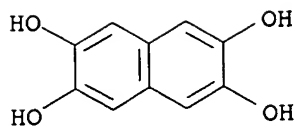
L13 ANSWER 12 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 133357-87-6 REGISTRY  
ED Entered STN: 19 Apr 1991  
CN 2,3-Naphthalenediol, 6,7-dimethoxy-1,4-diphenyl- (9CI) (CA INDEX NAME)  
MF C24 H20 O4  
SR CA  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 13 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 131142-80-8 REGISTRY  
ED Entered STN: 21 Dec 1990  
CN 2,3,6,7-Naphthalenetetrol (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 2,3,6,7-Tetrahydroxynaphthalene  
MF C10 H8 O4  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT



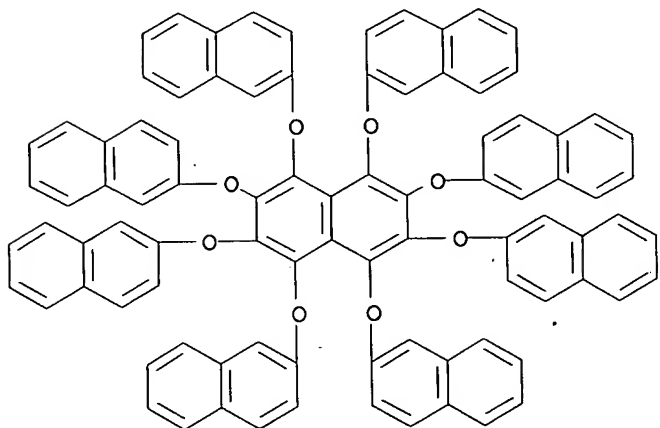
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 14 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 127459-90-9 REGISTRY  
ED Entered STN: 01 Jun 1990  
CN 2-Propanone, compd. with octakis(2-naphthalenyloxy)naphthalene (2:1) (9CI)  
(CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Naphthalene, octakis(2-naphthalenyloxy)-, compd. with 2-propanone (1:2)  
(9CI)  
MF C90 H56 O8 . 2 C3 H6 O  
SR CA  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)

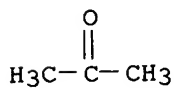
CM 1

CRN 127459-89-6  
CMF C90 H56 O8



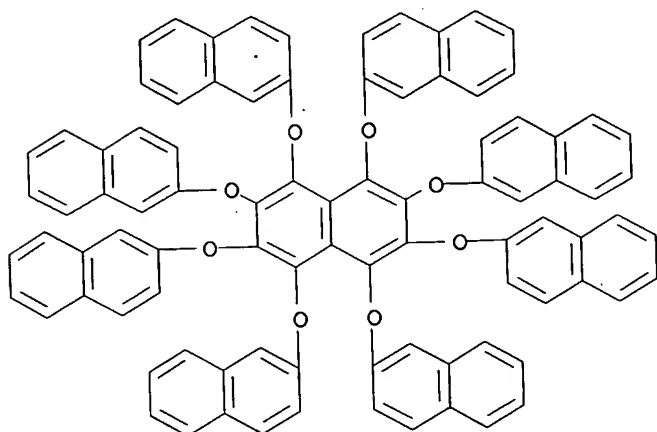
CM 2

CRN 67-64-1  
CMF C3 H6 O



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

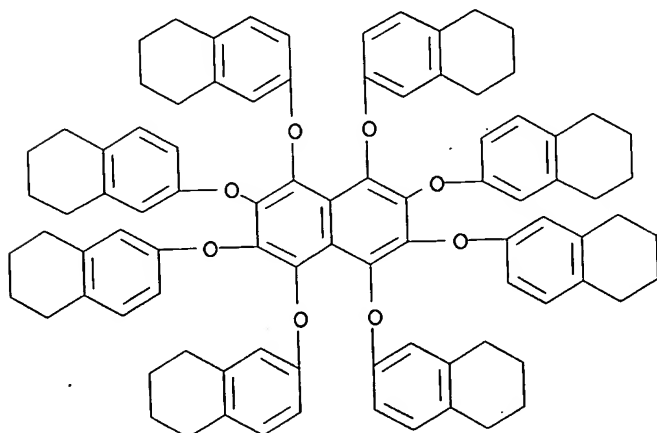
L13 ANSWER 15 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 127459-89-6 REGISTRY  
 ED Entered STN: 01 Jun 1990  
 CN Naphthalene, octakis(2-naphthalenyloxy)- (9CI) (CA INDEX NAME)  
 MF C90 H56 O8  
 CI COM  
 SR CA  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT  
 (\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 16 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 127459-88-5 REGISTRY  
 ED Entered STN: 01 Jun 1990  
 CN Naphthalene, octakis[(5,6,7,8-tetrahydro-2-naphthalenyl)oxy]- (9CI) (CA INDEX NAME)  
 MF C90 H88 O8  
 SR CA  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT  
 (\*File contains numerically searchable property data)

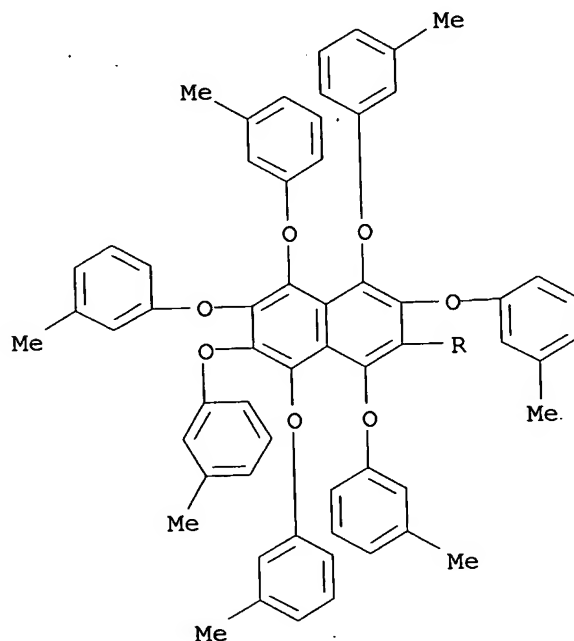


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

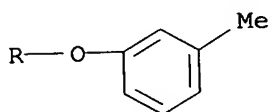
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 17 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 127459-87-4 REGISTRY  
ED Entered STN: 01 Jun 1990  
CN Naphthalene, octakis(3-methylphenoxy)- (9CI) (CA INDEX NAME)  
MF C66 H56 O8  
SR CA  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT.  
(\*File contains numerically searchable property data)

PAGE 1-A



PAGE 2-A



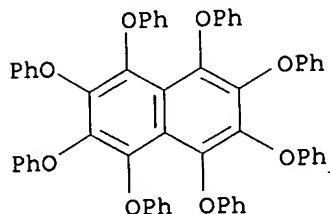
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 18 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 127459-86-3 REGISTRY  
ED Entered STN: 01 Jun 1990  
CN Naphthalene, octaphenoxy- (9CI) (CA INDEX NAME)

OTHER NAMES:

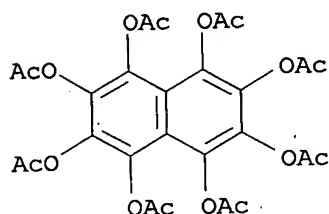
CN Octakis(phenoxy)naphthalene  
 MF C58 H40 O8  
 SR CA  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT  
 (\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 19 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 122924-66-7 REGISTRY  
 ED Entered STN: 29 Sep 1989  
 CN Naphthaleneoctol, octaacetate (6CI) (CA INDEX NAME)  
 MF C26 H24 O16  
 SR CAOLD  
 LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS  
 (\*File contains numerically searchable property data)



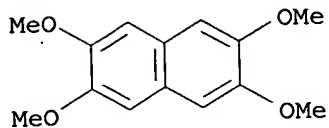
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L13 ANSWER 20 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 103532-43-0 REGISTRY  
 ED Entered STN: 02 Aug 1986  
 CN Naphthalene, 2,3,6,7-tetramethoxy-, radical ion(1+), perchlorate, compd.  
 with 2,3,6,7-tetramethoxynaphthalene (2:1) (9CI) (CA INDEX NAME)  
 MF C14 H16 O4 . 1/2 C14 H16 O4 . Cl O4  
 SR CA  
 LC STN Files: CA, CAPLUS



CRN 33033-33-9  
CMF C14 H16 O4

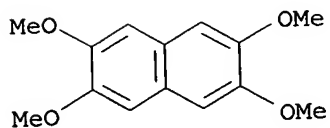


CM 2

CRN 103532-42-9  
CMF C14 H16 O4 . Cl O4

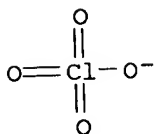
CM 3

CRN 103521-18-2  
CMF C14 H16 O4  
CCI RIS



CM 4

CRN 14797-73-0  
CMF Cl O4

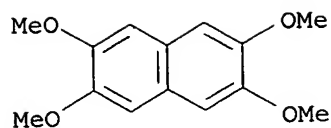


3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 21 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 103532-42-9 REGISTRY  
ED Entered STN: .02 Aug 1986  
CN Naphthalene, 2,3,6,7-tetramethoxy-, radical ion(1+), perchlorate (9CI)  
(CA INDEX NAME)  
MF C14 H16 O4 . Cl O4  
CI COM  
SR CA

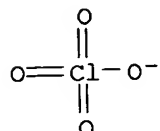
CM 1

CRN 103521-18-2  
CMF C14 H16 O4  
CCI RIS



CM 2

CRN 14797-73-0  
CMF Cl O4



L13 ANSWER 22 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN

RN 103521-20-6 REGISTRY

ED Entered STN: 02 Aug 1986

CN Arsenate(1-), hexafluoro-, salt with 2,3,6,7-tetramethoxynaphthalene (2:3)  
(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Naphthalene, 2,3,6,7-tetramethoxy-, radical ion(1+), hexafluoroarsenate(1-), compd. with 2,3,6,7-tetramethoxynaphthalene (2:1) (9CI).

OTHER NAMES:

CN Tris(2,3,6,7-tetramethoxynaphthalene) bis(hexafluoroarsenate)

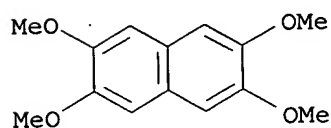
MF C14 H16 O4 . 1/2 Cl4 H16 O4 . As F6

SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 33033-33-9  
CMF C14 H16 O4

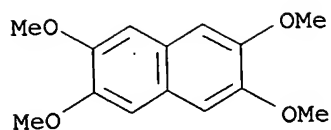


CM 2

CRN 103521-19-3  
CMF C14 H16 O4 . As F6

CM 3

CRN 103521-18-2  
CMF C14 H16 O4  
CCI RIS

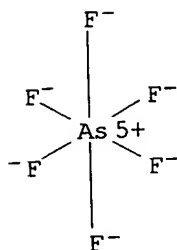


CM 4

CRN 16973-45-8

CMF As F6

CCI CCS



4 REFERENCES IN FILE CA (1907 TO DATE)  
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 23 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN

RN 103521-19-3 REGISTRY

ED Entered STN: 02 Aug 1986

CN Arsenate(1-), hexafluoro-, salt with 2,3,6,7-tetramethoxynaphthalene (1:1)  
(9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Naphthalene, 2,3,6,7-tetramethoxy-, radical ion(1+), hexafluoroarsenate(1-)  
) (9CI)

MF C14 H16 O4 . As F6

CI COM

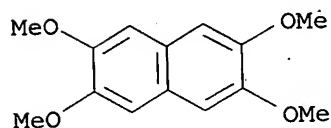
SR CA

CM 1

CRN 103521-18-2

CMF C14 H16 O4

CCI RIS

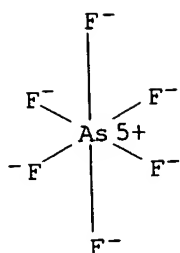


CM 2

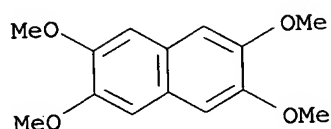
CRN 16973-45-8

CMF As F6

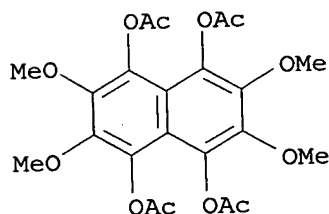
CCI CCS



L13 ANSWER 24 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 103521-18-2 REGISTRY  
 ED Entered STN: 02 Aug 1986  
 CN Naphthalene, 2,3,6,7-tetramethoxy-, radical ion(1+) (9CI) (CA INDEX NAME)  
 MF C14 H16 O4  
 CI COM, RIS  
 SR CA



L13 ANSWER 25 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 102663-06-9 REGISTRY  
 ED Entered STN: 14 Jun 1986  
 CN 1,4,5,8-Naphthalenetetrol, tetramethoxy-, tetraacetate (6CI) (CA INDEX NAME)  
 MF C22 H24 O12  
 SR CAOLD  
 LC STN Files: CA, CAOLD, CAPLUS

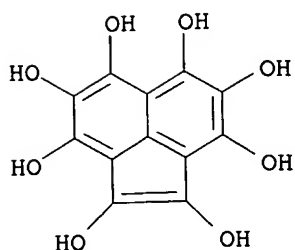


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

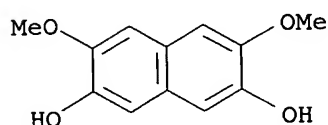
L13 ANSWER 26 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 71735-33-6 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Acenaphthyleneoctol (9CI) (CA INDEX NAME)  
 MF C12 H8 O8  
 LC STN Files: CHEMLIST  
 Other Sources: EINECS\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

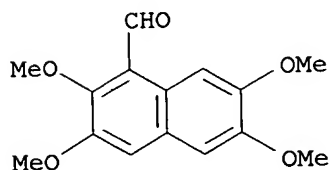
L13 ANSWER 27 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 33054-61-4 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 2,7-Naphthalenediol, 3,6-dimethoxy- (8CI, 9CI) (CA INDEX NAME)  
MF C12 H12 O4  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

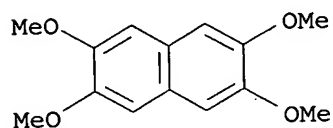
L13 ANSWER 28 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 33033-34-0 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 1-Naphthaldehyde, 2,3,6,7-tetramethoxy- (8CI) (CA INDEX NAME)  
MF C15 H16 O5  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, CHEMCATS  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

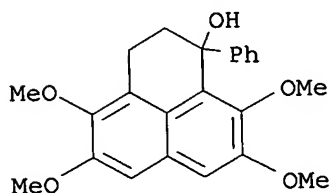
L13 ANSWER 29 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 33033-33-9 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Naphthalene, 2,3,6,7-tetramethoxy- (8CI, 9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN 2,3,6,7-Tetramethoxynaphthalene  
 MF C14 H16 O4  
 CI COM  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT, CHEMCATS  
 (\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)  
 3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

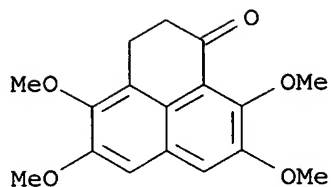
L13 ANSWER 30 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 32828-00-5 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Phenalen-1-ol, 2,3-dihydro-4,5,8,9-tetramethoxy-1-phenyl- (8CI) (CA INDEX NAME)  
 MF C23 H24 O5  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS  
 (\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

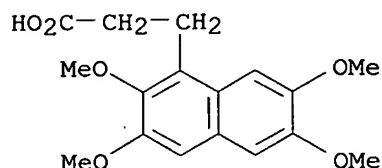
L13 ANSWER 31 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 32827-99-9 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Phenalen-1-one, 2,3-dihydro-4,5,8,9-tetramethoxy- (8CI) (CA INDEX NAME)  
 MF C17 H18 O5  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT  
 (\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

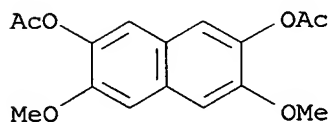
L13 ANSWER 32 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 32827-98-8 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 1-Naphthalenepropionic acid, 2,3,6,7-tetramethoxy- (8CI) (CA INDEX NAME)  
MF C17 H20 O6  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, CASREACT  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 33 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 32827-97-7 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 2,7-Naphthalenediol, 3,6-dimethoxy-, diacetate (8CI) (CA INDEX NAME)  
MF C16 H16 O6  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)



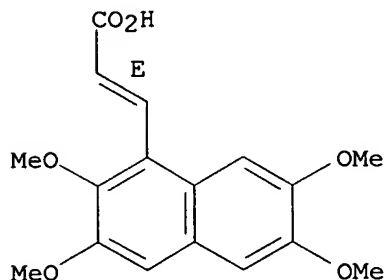
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 34 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 32821-22-0 REGISTRY  
ED Entered STN: 16 Nov 1984

CN 1-Naphthaleneacrylic acid, 2,3,6,7-tetramethoxy-, (E)- (8CI) (CA INDEX NAME)  
 FS STEREOSEARCH  
 MF C17 H18 O6  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS  
 (\*File contains numerically searchable property data)

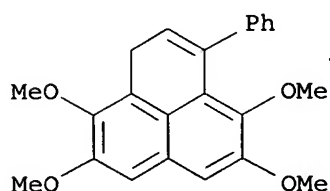
Double bond geometry as shown.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 35 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 22228-80-4 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Phenalene, 4,5,8,9-tetramethoxy-3-phenyl- (8CI) (CA INDEX NAME)  
 MF C23 H22 O4  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS  
 (\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 36 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 15052-45-6 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Phosphoric acid, 5,10-dihydroxy-4,9-pyrenylene tetramethyl ester. (8CI)  
 (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 4,5,9,10-Pyrenetetrol, 4,9-bis(dimethyl phosphate)  
 MF C20 H20 O10 P2  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS  
 (\*File contains numerically searchable property data)



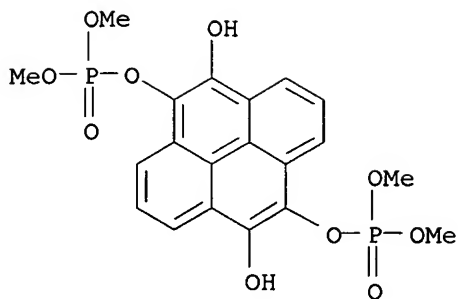








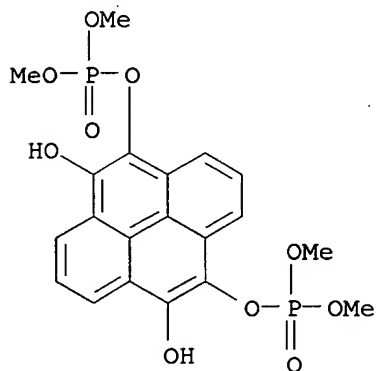




\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

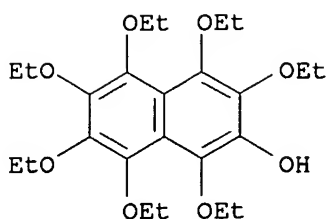
L13 ANSWER 37 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 15052-44-5 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Phosphoric acid, 5,9-dihydroxy-4,10-pyrenylene tetramethyl ester (8CI)  
(CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 4,5,9,10-Pyrenetetrol, 4,10-bis(dimethyl phosphate)  
OTHER NAMES:  
CN NSC 97862  
MF C20 H20 O10 P2  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L13 ANSWER 38 OF 38 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 2433-15-0 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 2-Naphthol, heptaethoxy- (7CI, 8CI) (CA INDEX NAME)  
MF C24 H36 O8  
LC STN Files: CA, CAOLD, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

423.55

627.72

FILE 'CAPLUS' ENTERED AT 11:55:11 ON 18 JAN 2007

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FILE COVERS 1907 - 18 Jan 2007 VOL 146 ISS 4

FILE LAST UPDATED: 17 Jan 2007 (20070117/ED)

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<http://www.cas.org/infopolicy.html>

=> s 113

L14

26 L13

=>

Uploading C:\Program Files\Stnexp\Queries\8484.str

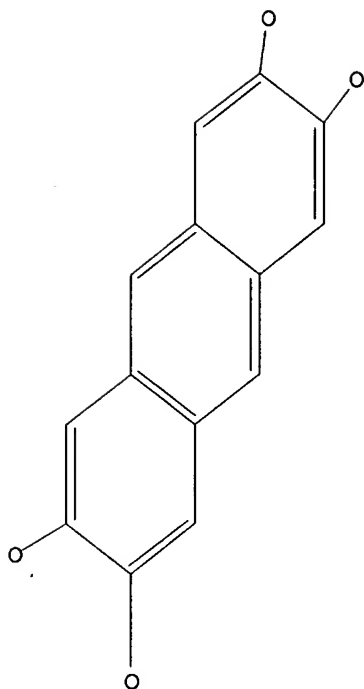
L15 STRUCTURE UPLOADED

=> d

L15 HAS NO ANSWERS

L15

STR



Structure attributes must be viewed using STN Express query preparation.

=> s l15

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 11:56:19 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 1014 TO ITERATE

100.0% PROCESSED 1014 ITERATIONS  
SEARCH TIME: 00.00.01

9 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 18370 TO 22190  
PROJECTED ANSWERS: 9 TO 360

L16 9 SEA SSS SAM L15

L17 8 L16

=> d l17 1-8

L17 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2006:1066869 CAPLUS  
DN 145:440958  
TI Lubricant composition



IN Kawata, Ken  
PA Fuji Photo Film Co., Ltd., Japan  
SO PCT Int. Appl., 98pp.  
CODEN: PIXXD2  
DT Patent  
LA Japanese  
FAN.CNT 1

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO.  | DATE     |
|------|---|------|----------|------------------|----------|
| PI   | WO 2006106856   | A1   | 20061012 | WO 2006-JP306718 | 20060330 |
|      | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW |      |          |                  |          |
|      | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  |      |          |                  |          |
|      | JP 2006307201   | A    | 20061109 | JP 2006-93620    | 20060330 |
|      | JP 2006307202   | A    | 20061109 | JP 2006-93621    | 20060330 |
| PRAI | JP 2005-98917   | A    | 20050330 |                  |          |

OS MARPAT 145:440958

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2000:548805 CAPLUS

DN 133:142495

TI Electroluminescent material based on a polymer having a side chain comprising an anthracene core, method for its fabrication, and electroluminescent diode

IN Bouche, Cecile Maria; Le Barny, Pierre; Facchetti, Hugues; Vergnolle, Marie

PA Thomson CSF, Fr.

SO Fr. Demande, 36 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

|      | PATENT NO.    | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---------------|------|----------|-----------------|----------|
| PI   | FR 2785615    | A1   | 20000512 | FR 1998-14152   | 19981110 |
| PRAI | FR 1998-14152 |      | 19981110 |                 |          |

L17 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1984:219013 CAPLUS

DN 100:219013

TI Electrophotographic material

PA Asahi-Dow Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

|      | PATENT NO.    | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---------------|------|----------|-----------------|----------|
| PI   | JP 58209749   | A    | 19831206 | JP 1982-92121   | 19820601 |
| PRAI | JP 1982-92121 |      | 19820601 |                 |          |

L17 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1968:486680 CAPLUS  
 DN 69:86680  
 TI Condensation of phenyl ethers with aliphatic aldehydes. XXII. Reaction of bis(3,4-dimethoxyphenyl)acetic acid with chlorinated aldehydes  
 AU Arcoleo, Antonino; Garofano, Torquato; Werber, Giuseppe; Paternostro, Maria Pia  
 CS Univ. Palermo, Palermo, Italy  
 SO Annali di Chimica (Rome, Italy) (1968), 58(3), 298-313  
 CODEN: ANCRAI; ISSN: 0003-4592  
 DT Journal  
 LA Italian

L17 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1968:87054 CAPLUS  
 DN 68:87054  
 TI Condensation of phenolic ethers with aliphatic aldehydes. XX. Synthesis and properties of 9,10-bis(dichloromethyl)-9,10-dihydroanthracenes  
 AU Arcoleo, Antonino; Garofano, Torquato  
 CS Univ. Palermo, Palermo, Italy  
 SO Annali di Chimica (Rome, Italy) (1967), 57(11), 1326-43  
 CODEN: ANCRAI; ISSN: 0003-4592  
 DT Journal  
 LA Italian

L17 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1967:104846 CAPLUS  
 DN 66:104846  
 TI Quinone synthesis. III. A new quinone system: derivatives of amphi-anthraquinone  
 AU Boldt, Peter  
 CS Univ. Goettingen, Goettingen, Fed. Rep. Ger.  
 SO Chemische Berichte (1967), 100(4), 1270-80  
 CODEN: CHBEAM; ISSN: 0009-2940  
 DT Journal  
 LA German  
 OS CASREACT 66:104846

L17 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1967:2405 CAPLUS  
 DN 66:2405  
 TI Condensations of phenolic ethers and aliphatic aldehydes. XVI. Formation of 9,10-substituted anthracene derivatives  
 AU Arcoleo, Antonino; Garofano, Torquato; Natoli, Maria C.  
 CS Univ. Palermo, Sicily, Italy  
 SO Atti della Accademia di Scienze, Lettere e Arti di Palermo, Parte 1: Scienze (1966), Volume Date 1964, 25, 11-30  
 CODEN: AASLAN; ISSN: 0365-0448  
 DT Journal  
 LA Italian

L17 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 1962:38356 CAPLUS  
 DN 56:38356  
 OREF 56:7234d-i  
 TI Condensation of phenolic ethers with aliphatic aldehydes. XI. Structure of a compound derived from the condensation of veratrole with chloral  
 AU Arcoleo, Antonino; Werber, Giuseppe; Lombardo, Guido  
 CS Univ. Palermo, Italy  
 SO Annali di Chimica (Rome, Italy) (1960), 50, 1242-57  
 CODEN: ANCRAI; ISSN: 0003-4592  
 DT Journal

LA Unavailable

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

9.91

639.02

FILE 'REGISTRY' ENTERED AT 11:56:43 ON 18 JAN 2007

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STRUCTURE FILE UPDATES: 17 JAN 2007 HIGHEST RN 917745-84-7

DICTIONARY FILE UPDATES: 17 JAN 2007 HIGHEST RN 917745-84-7

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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<http://www.cas.org/ONLINE/UG/regprops.html>

=> s 1

L18 2156092 L

=>

=>

=>

=>

=>

=> d his

(FILE 'HOME' ENTERED AT 11:42:48 ON 18 JAN 2007)

FILE 'REGISTRY' ENTERED AT 11:43:04 ON 18 JAN 2007

L1 STRUCTURE UPLOADED

L2 50 S L1

FILE 'CAPLUS' ENTERED AT 11:43:39 ON 18 JAN 2007

L3 46 S L2

FILE 'REGISTRY' ENTERED AT 11:44:15 ON 18 JAN 2007

L4 STRUCTURE UPLOADED

L5 0 S L4

L6 5 S L4 FUL

FILE 'CAPLUS' ENTERED AT 11:49:21 ON 18 JAN 2007  
 L7 3 S L6

FILE 'REGISTRY' ENTERED AT 11:52:24 ON 18 JAN 2007  
 L8 STRUCTURE UPLOADED  
 L9 0 S L8  
 L10 0 S L8 FUL  
 L11 STRUCTURE UPLOADED  
 L12 2 S L11  
 L13 38 S L11 FUL

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 L14 26 S L13  
 L15 STRUCTURE UPLOADED  
 S L15

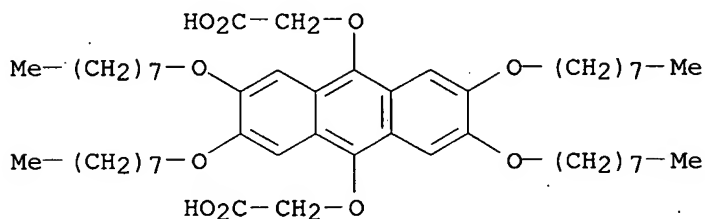
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 L16 9 S L15

FILE 'CAPLUS' ENTERED AT 11:56:19 ON 18 JAN 2007  
 L17 8 S L16

FILE 'REGISTRY' ENTERED AT 11:56:43 ON 18 JAN 2007  
 L18 2156092 S L

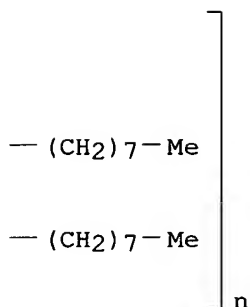
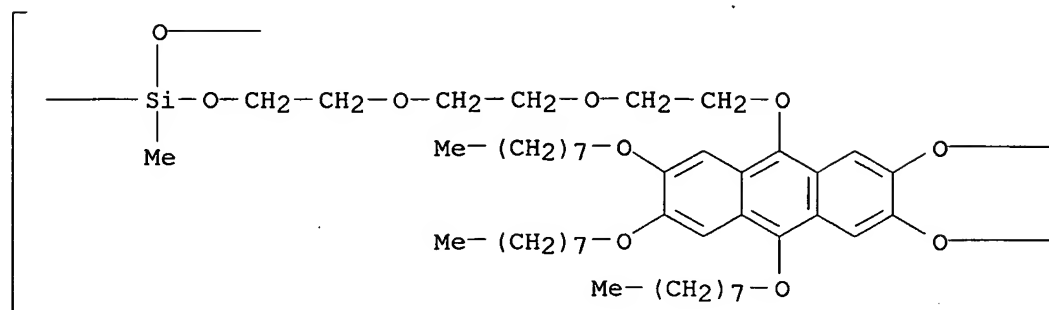
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L16 ANSWER 1 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 912822-78-7 REGISTRY  
 ED Entered STN: 09 Nov 2006  
 CN Acetic acid, 2,2'-[[2,3,6,7-tetrakis(octyloxy)-9,10-anthracenediyl]bis(oxy)]bis- (9CI) (CA INDEX NAME)  
 MF C50 H78 O10  
 CI COM  
 SR CA



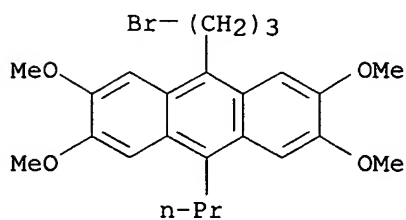
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L16 ANSWER 2 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 912821-99-9 REGISTRY  
 ED Entered STN: 09 Nov 2006  
 CN Poly[oxy[methyl[2-[2-[2-[[2,3,6,7,10-pentakis(octyloxy)-9-anthracenyl]oxy]ethoxy]ethoxy]ethoxy]silylene]] (9CI) (CA INDEX NAME)  
 MF (C61 H104 O10 Si)n  
 CI PMS  
 PCT Polyether, Polyether only  
 SR CA  
 LC STN Files: CA, CAPLUS



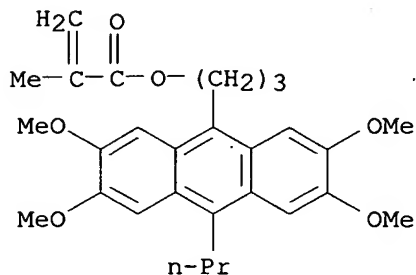
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L16 ANSWER 3 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 284678-35-9 REGISTRY  
ED Entered STN: 10 Aug 2000  
CN Anthracene, 9-(3-bromopropyl)-2,3,6,7-tetramethoxy-10-propyl- (9CI) (CA INDEX NAME)  
MF C24 H29 Br O4  
SR CA  
LC STN Files: CA, CAPLUS



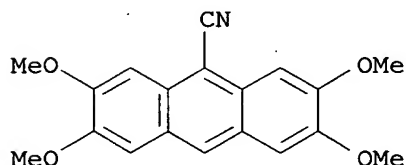
1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L16 ANSWER 4 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 184353-02-4 REGISTRY  
ED Entered STN: 25 Dec 1996  
CN 2-Propenoic acid, 2-methyl-, 3-(2,3,6,7-tetramethoxy-10-propyl-9-anthracenyl)propyl ester (9CI) (CA INDEX NAME)  
MF C28 H34 O6  
CI COM  
SR CA



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

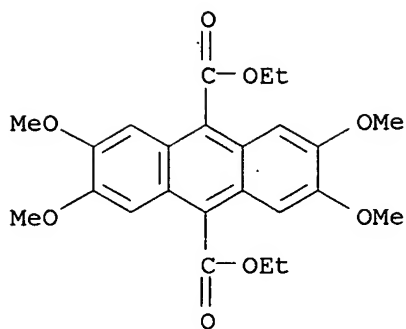
L16 ANSWER 5 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 94257-14-4 REGISTRY  
ED Entered STN: 12 Jan 1985  
CN 9-Anthronitrile, 2,3,6,7-tetramethoxy- (7CI) (CA INDEX NAME)  
MF C19 H17 N O4  
LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

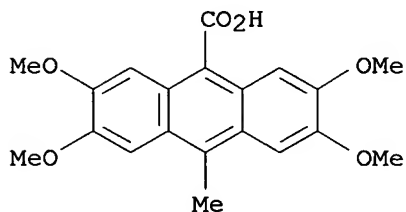
L16 ANSWER 6 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 89927-46-8 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 9,10-Anthracenedicarboxylic acid, 2,3,6,7-tetramethoxy-, diethyl ester (9CI) (CA INDEX NAME)  
MF C24 H26 O8  
LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

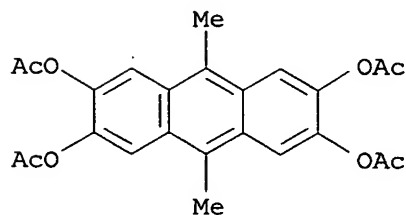
L16 ANSWER 7 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 20153-21-3 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 9-Anthroic acid, 2,3,6,7-tetramethoxy-10-methyl- (8CI) (CA INDEX NAME)  
MF C20 H20 O6  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

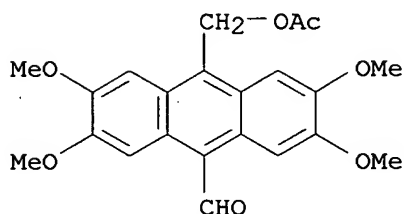
L16 ANSWER 8 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 13979-55-0 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 2,3,6,7-Anthracenetetrol, 9,10-dimethyl-, tetraacetate (8CI) (CA INDEX NAME)  
MF C24 H22 O8  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L16 ANSWER 9 OF 9 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 13112-45-3 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 9-Anthraldehyde, 10-(hydroxymethyl)-2,3,6,7-tetramethoxy-, acetate (8CI)  
(CA INDEX NAME)  
MF C22 H22 O7  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s l15 ful

FULL SEARCH INITIATED 11:58:12 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 20323 TO ITERATE

100.0% PROCESSED 20323 ITERATIONS  
SEARCH TIME: 00.00.01

155 ANSWERS

L19 155 SEA SSS FUL L15

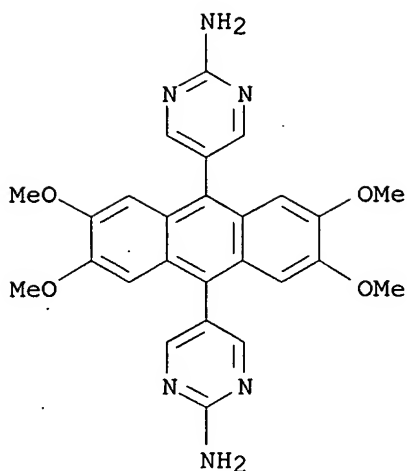
=> d l19 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150-155

L19 ANSWER 10 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 885675-63-8 REGISTRY  
ED Entered STN: 26 May 2006  
CN 2-Pyrimidinamine, 5,5'-(2,3,6,7-tetramethoxy-9,10-anthracenediyl)bis-,  
compd. with sulfinylbis[methane] (1:2) (9CI) (CA INDEX NAME)  
MF C26 H24 N6 O4 . 2 C2 H6 O S  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 885675-61-6  
CMF C26 H24 N6 O4

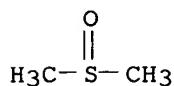




CM 2

CRN 67-68-5

CMF C2 H6 O S



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L19 ANSWER 20 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN

RN 857193-94-3 REGISTRY

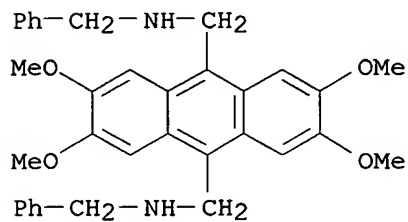
ED Entered STN: 27 Jul 2005

CN 9,10-Anthracenebis(methylamine), N,N'-dibenzyl-2,3,6,7-tetramethoxy- (6CI)  
(CA INDEX NAME)

MF C34 H36 N2 O4

SR CAS EARLY REGISTRATIONS

LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

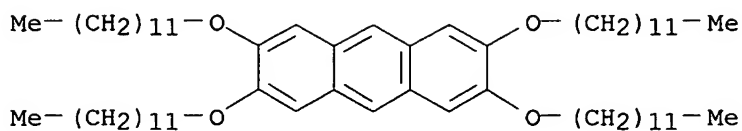
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L19 ANSWER 30 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN

RN 714200-16-5 REGISTRY

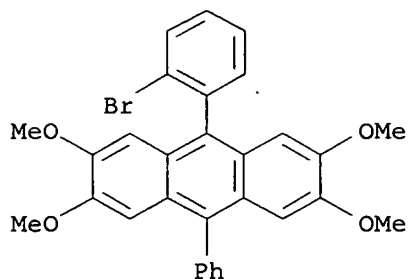
ED Entered STN: 22 Jul 2004

CN Anthracene, 2,3,6,7-tetrakis(dodecyloxy)- (9CI) (CA INDEX NAME)  
 MF C62 H106 O4  
 CI COM  
 SR CA



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

L19 ANSWER 40 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 494868-48-3 REGISTRY  
 ED Entered STN: 26 Feb 2003  
 CN Anthracene, 9-(2-bromophenyl)-2,3,6,7-tetramethoxy-10-phenyl- (9CI) (CA INDEX NAME)  
 MF C30 H25 Br O4  
 SR CA  
 LC STN Files: CA, CAPLUS, CASREACT



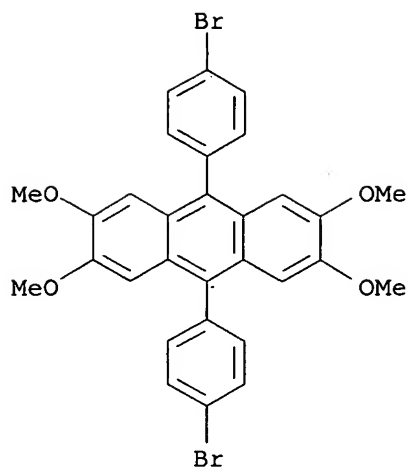
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L19 ANSWER 50 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 337308-55-1 REGISTRY  
 ED Entered STN: 22 May 2001  
 CN Anthracene, 9,10-bis(4-bromophenyl)-2,3,6,7-tetramethoxy-, compd. with methylbenzene (1:1) (9CI) (CA INDEX NAME)  
 MF C30 H24 Br2 O4 . C7 H8  
 SR CA  
 LC STN Files: CA, CAPLUS

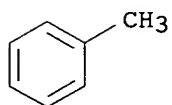
CM 1

CRN 337308-54-0  
 CMF C30 H24 Br2 O4



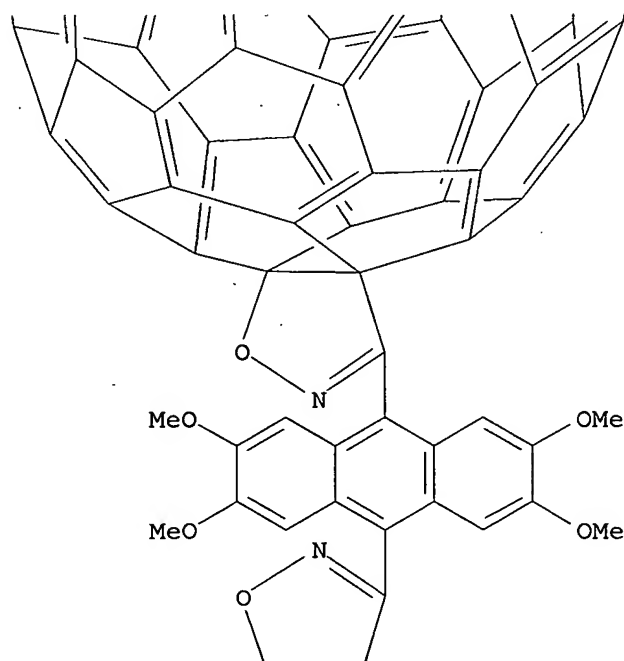
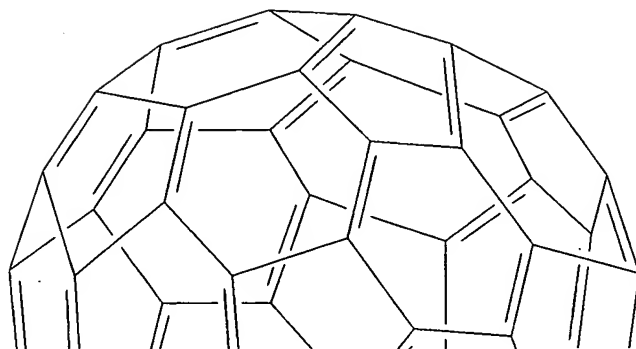
CM 2

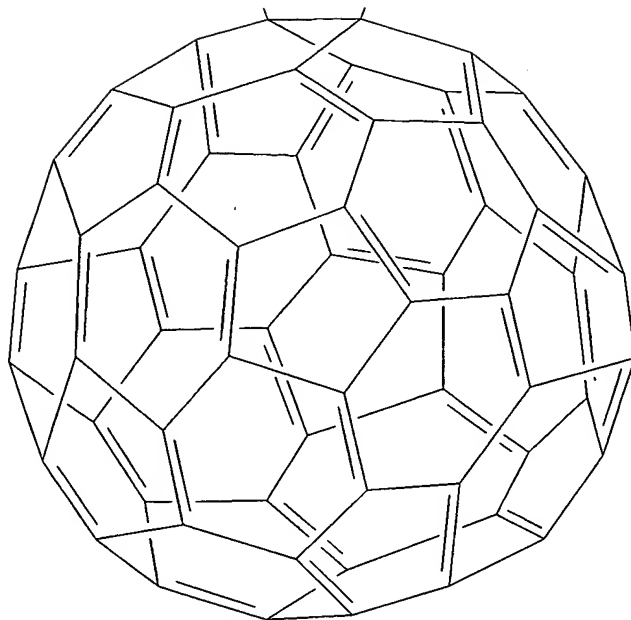
CRN 108-88-3  
CMF C7 H8



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L19 ANSWER 60 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 249744-69-2 REGISTRY  
ED Entered STN: 02 Dec 1999  
CN [5,6]Fullereno-C60-Ih-[1,9-d]isoxazole, 3',3''-(2,3,6,7-tetramethoxy-9,10-anthracenediyl)bis-, stereoisomer (9CI) (CA INDEX NAME)  
MF C140 H16 N2 O6  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT

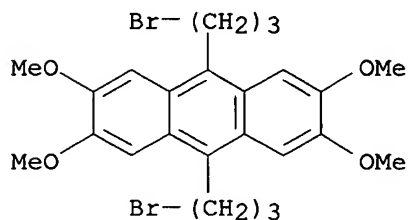




\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L19 ANSWER 70 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 188576-57-0 REGISTRY  
ED Entered STN: 24 Apr 1997  
CN Anthracene, 9,10-bis(3-bromopropyl)-2,3,6,7-tetramethoxy- (9CI) (CA INDEX NAME)  
MF C24 H28 Br2 O4  
SR CA  
LC STN Files: CA, CAPLUS

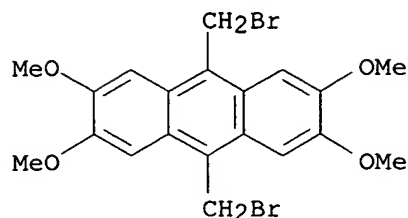


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L19 ANSWER 80 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 177942-51-7 REGISTRY  
ED Entered STN: 02 Jul 1996  
CN Anthracene, 9,10-bis(bromomethyl)-2,3,6,7-tetramethoxy- (9CI) (CA INDEX NAME)

MF C20 H20 Br2 O4  
 SR CA  
 LC STN Files: CA, CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L19 ANSWER 90 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN

RN 119958-41-7 REGISTRY

ED Entered STN: 07 Apr 1989

CN 2-Naphthalenecarboxylic acid, 4-[[10-[4-[4-[[3-[(2,2-diphenylhydrazino)carbonyl]-2-hydroxy-1-naphthalenyl]azo]phenyl]-6-[5-[[3-[(2,2-diphenylhydrazino)carbonyl]-2-hydroxy-1-naphthalenyl]azo]-2-pyridinyl]-1,2,3-triazin-2(5H)-yl]-2,3,6,7-tetraphenoxy-9-anthracenyl]azo]-3-hydroxy-, 2,2-diphenylhydrazide (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

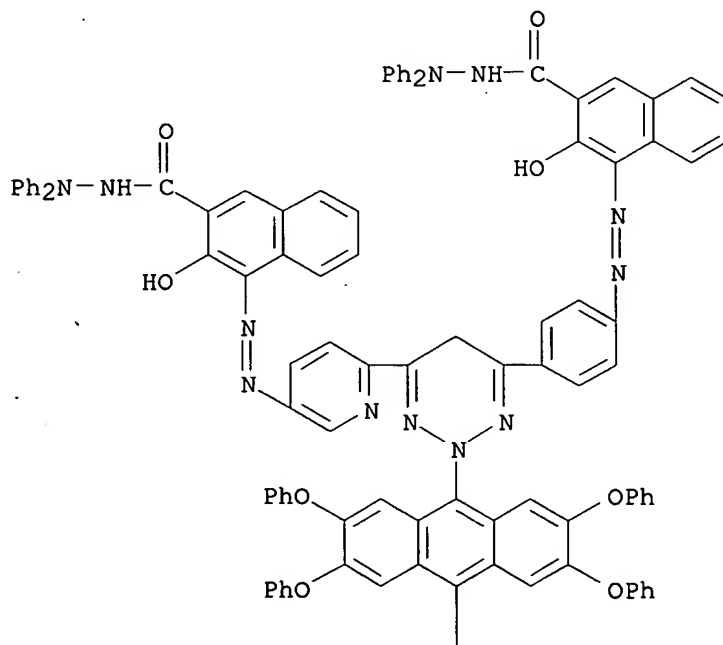
CN 1,2,3-Triazine, 2-naphthalenecarboxylic acid deriv.

MF C121 H84 N16 O10

SR CA

LC STN Files: CA, CAPLUS

PAGE 1-A

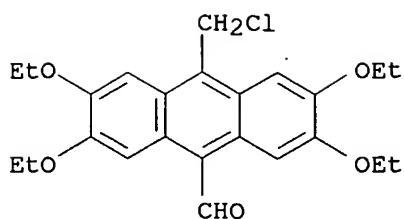


1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

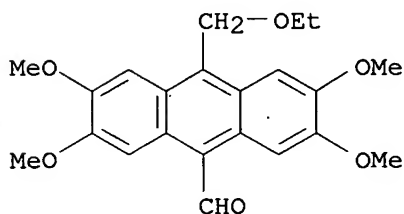
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L19 ANSWER 110 OF 155  REGISTRY  COPYRIGHT 2007 ACS on STN
RN 89399-74-6  REGISTRY
ED Entered STN: 16 Nov 1984
CN 9-Anthraldehyde, 10-(chloromethyl)-2,3,6,7-tetraethoxy- (7CI) (CA INDEX
NAME)
MF C24 H27 Cl O5
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
(*File contains numerically searchable property data)
```



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L19 ANSWER 120 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 24269-01-0 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN 9-Anthraldehyde, 10-(ethoxymethyl)-2,3,6,7-tetramethoxy- (8CI) (CA INDEX NAME)  
 MF C22 H24 O6  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS  
 (\*File contains numerically searchable property data)

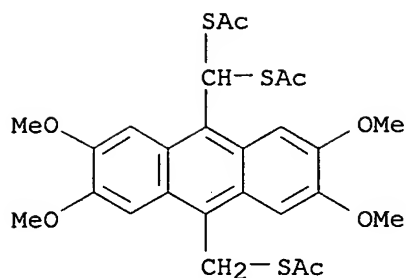


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L19 ANSWER 130 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 20501-78-4 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Acetic acid, thio-, S,S,S-triester with 10-(mercaptomethyl)-2,3,6,7-tetramethoxy-9-anthracenemethanedithiol' (8CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 9-Anthracenemethanedithiol, 10-(mercaptomethyl)-2,3,6,7-tetramethoxy-, triacetate  
 MF C26 H28 O7 S3  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS  
 (\*File contains numerically searchable property data)

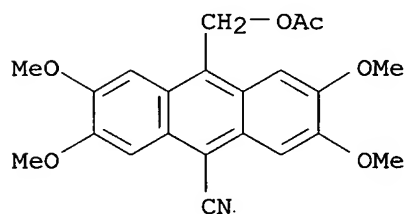




\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

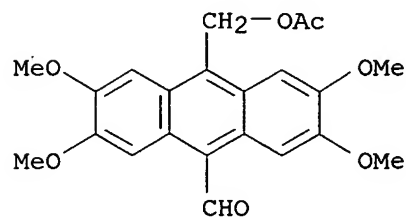
L19 ANSWER 140 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 17918-32-0 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 9-Anthronitrile, 10-(hydroxymethyl)-2,3,6,7-tetramethoxy-, acetate (8CI)  
(CA INDEX NAME)  
MF C22 H21 N O6  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

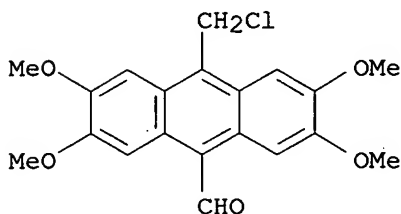
L19 ANSWER 150 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 13112-45-3 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 9-Anthraldehyde, 10-(hydroxymethyl)-2,3,6,7-tetramethoxy-, acetate (8CI)  
(CA INDEX NAME)  
MF C22 H22 O7  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)



**\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\***

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

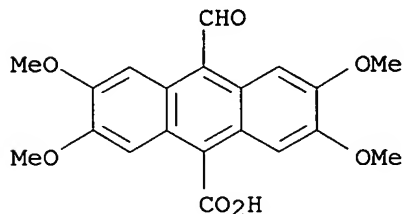
L19 ANSWER 151 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 13112-44-2 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 9-Anthraldehyde, 10-(chloromethyl)-2,3,6,7-tetramethoxy- (8CI) (CA INDEX NAME)  
MF C20 H19 Cl O5  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)



**\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\***

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L19 ANSWER 152 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 13112-43-1 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 9-Anthracenecarboxylic acid, 10-formyl-2,3,6,7-tetramethoxy- (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 9-Anthroic acid, 10-formyl-2,3,6,7-tetramethoxy- (7CI, 8CI)  
MF C20 H18 O7  
LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT  
(\*File contains numerically searchable property data)

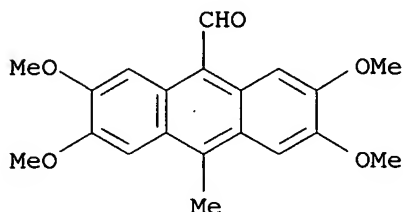


**\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\***

6 REFERENCES IN FILE CA (1907 TO DATE)  
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L19 ANSWER 153 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN

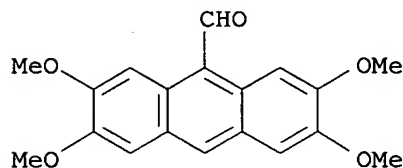
RN 13112-42-0 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN 9-Anthracenecarboxaldehyde, 2,3,6,7-tetramethoxy-10-methyl- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 9-Anthraldehyde, 2,3,6,7-tetramethoxy-10-methyl- (7CI)  
 MF C20 H20 O5  
 LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS  
 (\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L19 ANSWER 154 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 13112-41-9 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN 9-Anthracenecarboxaldehyde, 2,3,6,7-tetramethoxy- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 9-Anthraldehyde, 2,3,6,7-tetramethoxy- (7CI, 8CI)  
 MF C19 H18 O5  
 LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS  
 (\*File contains numerically searchable property data)

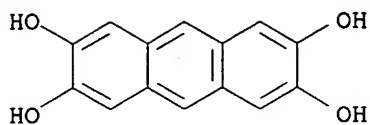


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4 REFERENCES IN FILE CA (1907 TO DATE)  
 4 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L19 ANSWER 155 OF 155 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 3178-75-4 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN 2,3,6,7-Anthracenetetrol (7CI, 8CI, 9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN 2,3,6,7-Tetrahydroxyanthracene  
 MF C14 H10 O4  
 LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT, USPATFULL

(\*File contains numerically searchable property data)



'\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*'

8 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
8 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 12:21:55 ON 18 JAN 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 12:22:05 ON 18 JAN 2007

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 17 JAN 2007 HIGHEST RN 917745-84-7

DICTIONARY FILE UPDATES: 17 JAN 2007 HIGHEST RN 917745-84-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s 917394-94-6

L1 1 917394-94-6  
(917394-94-6/RN)

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

RN 917394-94-6 REGISTRY

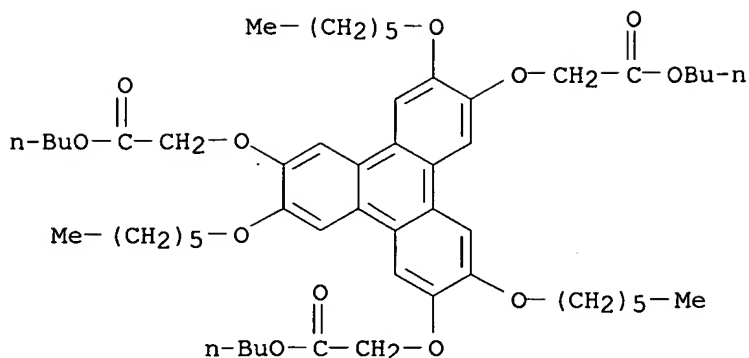
ED Entered STN: 12 Jan 2007

CN INDEX NAME NOT YET ASSIGNED

MF C54 H78 O12

SR CA

LC STN Files: CAPLUS



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 347854-10-8

L2 1 347854-10-8  
(347854-10-8/RN)

=> d

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

RN 347854-10-8 REGISTRY

ED Entered STN: 24 Jul 2001

CN Dipyrzino[2,3-f:2',3'-h]quinoxaline, hexakis(4-nonylphenyl)-, compd. with  
2,3,6,7,10-pentakis(hexyloxy)-11-[2-(2-methoxyethoxy)ethoxy]triphenylene  
(1:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Triphenylene, 2,3,6,7,10-pentakis(hexyloxy)-11-[2-(2-methoxyethoxy)ethoxy]-  
, compd. with hexakis(4-nonylphenyl)dipyrzino[2,3-f:2',3'-h]quinoxaline  
(1:1) (9CI)

MF C102 H138 N6 . C53 H82 O8

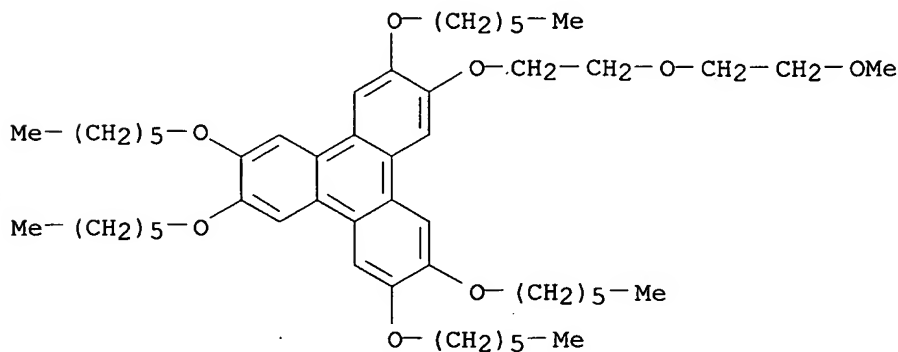
SR CA

LC STN Files: CA, CAPLUS

CM 1

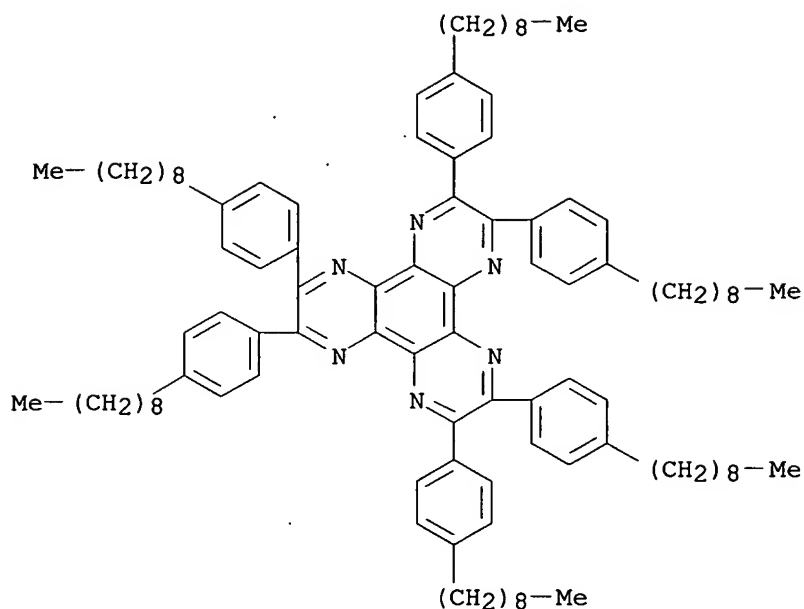
CRN 343628-06-8

CMF C53 H82 O8



CM 2

CRN 96355-65-6  
CMF C102 H138 N6



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 225531-90-8  
L3 1 225531-90-8  
(225531-90-8/RN)

=> d

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 225531-90-8 REGISTRY  
ED Entered STN: 18 Jun 1999  
CN 2-Propenoic acid, [3,7,10-tris(pentyloxy)-2,6,11-  
triphenylenetriyl]tris(oxy-2,1-ethanediyl) ester (9CI) (CA INDEX NAME)  
MF C48 H60 O12  
CI COM  
SR CA  
LC STN Files: CA, CAPLUS

$$= \text{CH}_2$$

\*\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

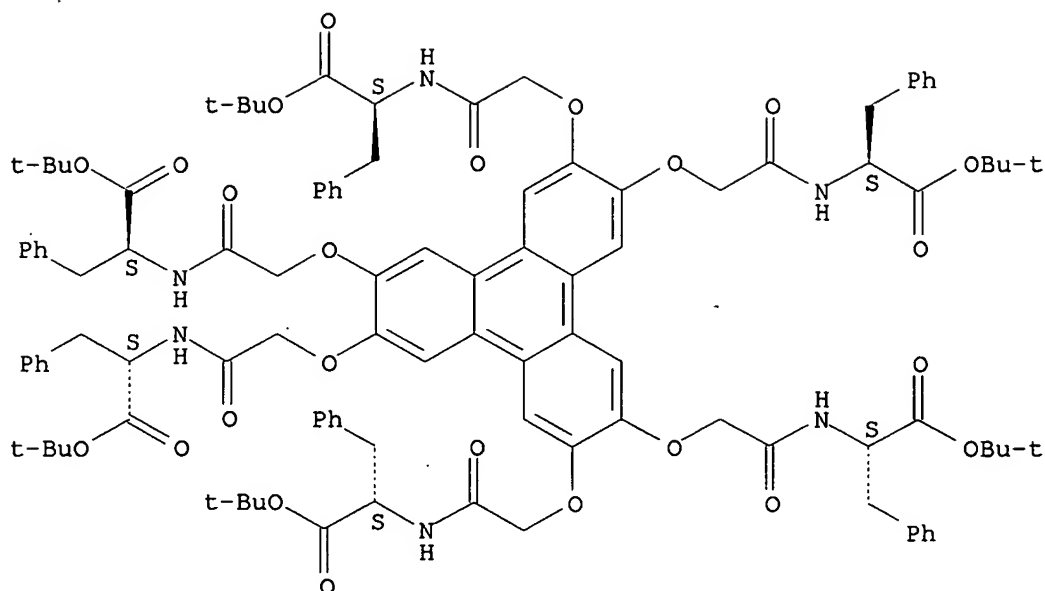
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=> s 200814-89-7
L4      1 200814-89-7
        (200814-89-7/RN)
```

$$\Rightarrow d$$

```
L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
RN 200814-89-7 REGISTRY
ED Entered STN: 05 Feb 1998
CN L-Phenylalanine, N,N',N'',N''',N''''',N''''''-[2,3,6,7,10,11-
triphenylenehexaylhexasakis[oxy(1-oxo-2,1-ethanediyl)]]hexakis-,
hexakis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C108 H126 N6 O24
SR CA
LC STN Files: CA, CAPLUS, CASREACT
```

Absolute stereochemistry.





\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 15052-45-6

L5 1 15052-45-6  
(15052-45-6/RN)

=> d

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

RN 15052-45-6 REGISTRY

ED Entered STN: 16 Nov 1984

CN Phosphoric acid, 5,10-dihydroxy-4,9-pyrenylene tetramethyl ester (8CI)  
(CA INDEX NAME)

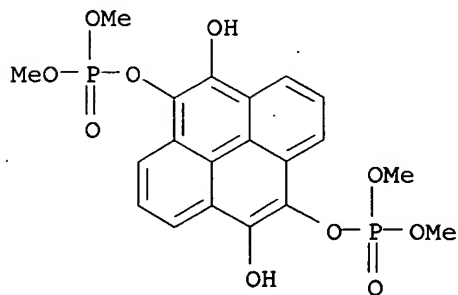
OTHER CA INDEX NAMES:

CN 4,5,9,10-Pyrenetetrol, 4,9-bis(dimethyl phosphate)

MF C20 H20 O10 P2

LC STN Files: BEILSTEIN\*, CA, CAPLUS

(\*File contains numerically searchable property data)



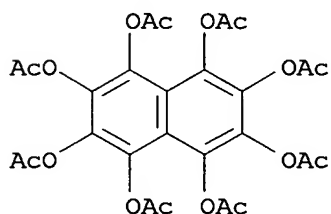
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 122924-66-7  
L6 1 122924-66-7  
(122924-66-7/RN)

=> d

L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 122924-66-7 REGISTRY  
ED Entered STN: 29 Sep 1989  
CN Naphthaleneoctol, octaacetate (6CI) (CA INDEX NAME)  
MF C26 H24 O16  
SR CAOLD  
LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS  
(\*File contains numerically searchable property data)



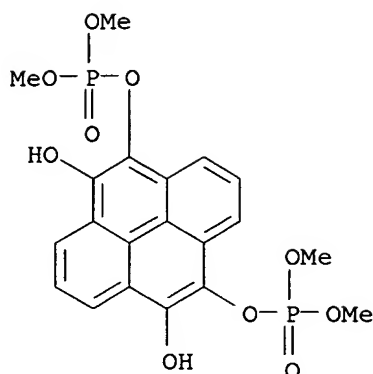
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s 15052-44-5  
L7 1 15052-44-5  
(15052-44-5/RN)

=> d

L7 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 15052-44-5 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Phosphoric acid, 5,9-dihydroxy-4,10-pyrenylene tetramethyl ester (8CI).  
(CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 4,5,9,10-Pyrenetetrol, 4,10-bis(dimethyl phosphate)  
OTHER NAMES:  
CN NSC 97862  
MF C20 H20 O10 P2  
LC STN Files: BEILSTEIN\*, CA, CAPLUS  
(\*File contains numerically searchable property data)



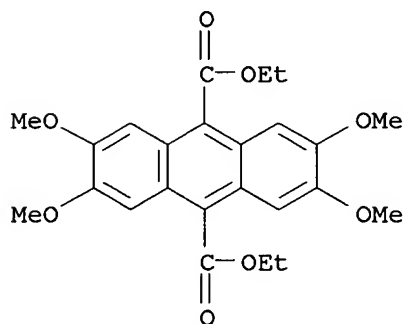
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 89927-46-8  
L8 1 89927-46-8  
(89927-46-8/RN)

=> d

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 89927-46-8 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 9,10-Anthracenedicarboxylic acid, 2,3,6,7-tetramethoxy-, diethyl ester  
(9CI) (CA INDEX NAME)  
MF C24 H26 O8  
LC STN Files: CA, CAPLUS



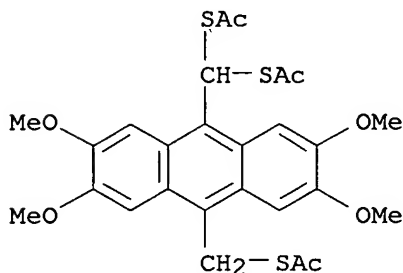
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 20501-78-4  
L9 1 20501-78-4  
(20501-78-4/RN)

=> d

L9 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
 RN 20501-78-4 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Acetic acid, thio-, S,S,S-triester with 10-(mercaptomethyl)-2,3,6,7-tetramethoxy-9-anthracenemethanedithiol (8CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 9-Anthracenemethanedithiol, 10-(mercaptomethyl)-2,3,6,7-tetramethoxy-, triacetate  
 MF C26 H28 O7 S3  
 LC STN Files: BEILSTEIN\*, CA, CAPLUS  
 (\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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|----------------------|------------------|---------------|
| FULL ESTIMATED COST  | 22.95            | 23.16         |

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 FILE LAST UPDATED: 17 Jan 2007 (20070117/ED)

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<http://www.cas.org/infopolicy.html>

=> s 11

L10 1 L1

=> d

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2006:547390 CAPLUS

TI Synthesis of triphenylene discotic liquid crystals substituted with ester or amide functional groups and the effect of hydrogen bonding on mesogenic behaviors

AU Zhao, Ke-Qing; Gao, Cai-Yan; Hu, Ping; Wang, Bi-Qin; Li, Quan

CS College of Chemistry and Material Science, Sichuan Normal University, Chengdu, 610066, Peop. Rep. China

SO Huaxue Xuebao (2006), 64(10), 1051-1062

CODEN: HHHPA4; ISSN: 0567-7351

PB Huaxue Xuebao Bianjibu

DT Journal

LA Chinese

=> s 12

L11 1 L2

=> d

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2001:330299 CAPLUS

DN 135:100171

TI CPI induction of liquid crystal behavior in triphenylenes with a mixture of hydrophobic and hydrophilic side chains

AU Boden, Neville; Bushby, Richard J.; Lu, Zhibao; Lozman, Owen R.

CS Centre for Self-Organising Molecular Systems, University of Leeds, Leeds, LS2 9JT, UK

SO Liquid Crystals (2001), 28(5), 657-661

CODEN: LICRE6; ISSN: 0267-8292

PB Taylor & Francis Ltd.

DT Journal

LA English

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 13

L12 2 L3

=> d 112 1-2

L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

AN 1999:381970 CAPLUS

DN 131:122678

TI Photo-cross-linked triphenylenes as novel insoluble hole transport materials in organic LEDs

AU Bacher, Andreas; Erdelen, Christian H.; Paulus, Wolfgang; Ringsdorf, Helmut; Schmidt, Hans-Werner; Schuhmacher, Peter

CS Makromolekulare Chemie I and Bayreuther Institut fuer Makromolekulforschung (BIMF), Universitaet Bayreuth, Bayreuth, 95440, Germany

SO Macromolecules (1999), 32(14), 4551-4557

CODEN: MAMOBX; ISSN: 0024-9297

PB American Chemical Society

DT Journal

LA English

RE.CNT 32      THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 1999:213704 CAPLUS  
DN 131:5549  
TI Hexaalkoxytriphenylenes: charge carrier mobility and characterization in organic LEDs  
AU Bacher, A.; Bleyl, I.; Erdelen, C. H.; Etzbach, K.-H.; Haarer, D.; Paulus, W.; Schmidt, H.-W.  
CS Makromolekulare Chemie I, Universitat Bayreuth and Bayreuther Institut fur Makromolekulforschung, Bayreuth, D-95440, Germany  
SO Polymeric Materials Science and Engineering (1999), 80, 250-251  
CODEN: PMSEDG; ISSN: 0743-0515  
PB American Chemical Society  
DT Journal  
LA English

RE.CNT 14      THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s 14

L13            1 L4

=>

=> d

L13 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 1997:754865 CAPLUS  
DN 128:88655  
TI Purification of 2,3,6,7,10,11-hexamethoxytriphenylene and preparation of hexakiscarbonylmethyl and hexakiscyanomethyl derivatives of 2,3,6,7,10,11-hexahydroxytriphenylene  
AU Krebs, Frederik C.; Schioedt, Niels C.; Batsberg, Walther; Bechgaard, Klaus  
CS Macromolecular Chemistry Group, Risoe National Laboratory, Condensed Matter Physics Chemistry Department, Roskilde, DK-4000, Den.  
SO Synthesis (1997), (11), 1285-1290  
CODEN: SYNTBF; ISSN: 0039-7881  
PB Georg Thieme Verlag  
DT Journal  
LA English  
OS CASREACT 128:88655

=> s 15

L14            1 L5

=> d

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 1968:39345 CAPLUS  
DN 68:39345  
TI Reactions of trialkyl phosphites with polycyclic p- and o-quinones. Anthraquinone, the pyrenequinones, and the naphthoquinones  
AU Ramirez, Fausto; Bhatia, S. B.; Patwardhan, A. V.; Chen, Eugene H.; Smith, Curtis Page  
CS State Univ. of New York, Stony Brook, NY, USA  
SO Journal of Organic Chemistry (1968), 33(1), 20-4  
CODEN: JOCEAH; ISSN: 0022-3263  
DT Journal

LA English

=> s 16

L15 2 L6

=> d 115 1-2

L15 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 1961:93378 CAPLUS  
DN 55:93378  
OREF 55:17585i,17586a-e  
TI Naturally occurring quinones. V. Spinochromes E and N  
AU Smith, J.; Thomson, R. H.  
CS Univ. Old Aberdeen, UK  
SO Journal of the Chemical Society (1961) 1008-12  
CODEN: JCSOA9; ISSN: 0368-1769  
DT Journal  
LA Unavailable

L15 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 1960:68115 CAPLUS  
DN 54:68115  
OREF 54:13072b-d  
TI Spinochrome E  
AU Smith, J.; Thomson, R. H.  
CS Univ. Aberdeen, UK  
SO Tetrahedron Letters (1960), (No. 1), 10-12  
CODEN: TELEAY; ISSN: 0040-4039  
DT Journal  
LA Unavailable

=> s 16

L16 2 L6

=> d 116 1-2

L16 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 1961:93378 CAPLUS  
DN 55:93378  
OREF 55:17585i,17586a-e  
TI Naturally occurring quinones. V. Spinochromes E and N  
AU Smith, J.; Thomson, R. H.  
CS Univ. Old Aberdeen, UK  
SO Journal of the Chemical Society (1961) 1008-12  
CODEN: JCSOA9; ISSN: 0368-1769  
DT Journal  
LA Unavailable

L16 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 1960:68115 CAPLUS  
DN 54:68115  
OREF 54:13072b-d  
TI Spinochrome E  
AU Smith, J.; Thomson, R. H.  
CS Univ. Aberdeen, UK  
SO Tetrahedron Letters (1960), (No. 1), 10-12  
CODEN: TELEAY; ISSN: 0040-4039  
DT Journal  
LA Unavailable

=> s 17

L17 1 L7

=> d

L17 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 1968:39345 CAPLUS  
DN 68:39345  
TI Reactions of trialkyl phosphites with polycyclic p- and o-quinones.  
Anthraquinone, the pyrenequinones, and the naphthoquinones  
AU Ramirez, Fausto; Bhatia, S. B.; Patwardhan, A. V.; Chen, Eugene H.; Smith,  
Curtis Page  
CS State Univ. of New York, Stony Brook, NY, USA  
SO Journal of Organic Chemistry (1968), 33(1), 20-4  
CODEN: JOCEAH; ISSN: 0022-3263  
DT Journal  
LA English

=> s 18

L18 1 L8

=> d

L18 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 1984:219013 CAPLUS  
DN 100:219013  
TI Electrophotographic material  
PA Asahi-Dow Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

|      | PATENT NO.    | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---------------|------|----------|-----------------|----------|
| PI   | JP 58209749   | A    | 19831206 | JP 1982-92121   | 19820601 |
| PRAI | JP 1982-92121 |      | 19820601 |                 |          |

=> s 19

L19 1 L9

=> d

L19 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 1968:496326 CAPLUS  
DN 69:96326  
TI Condensation of phenyl ethers with aliphatic aldehydes. XXIII. Behavior  
of 2,3,6,7-tetramethoxy-9,10-bis(chloromethylene)-9,10-dihydroanthracene  
towards acids  
AU Arcoletto, Antonino; Garofano, Torquato; Aversa, Maria Chiara  
CS Univ. Palermo, Palermo, Italy  
SO Annali di Chimica (Rome, Italy) (1968), 58(4), 471-83  
CODEN: ANCRAL; ISSN: 0003-4592  
DT Journal  
LA Italian